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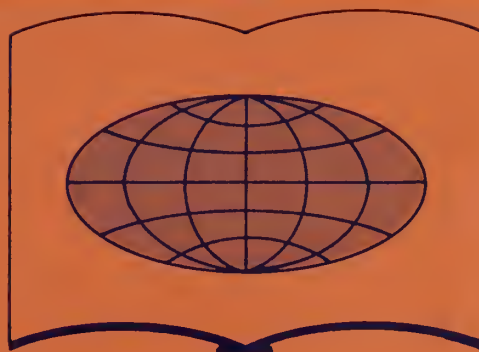
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Pesticides DOCUMENTATION BULLETIN

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Volume 5
November 14, 1969

Number 23



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PESTICIDES DOCUMENTATION BULLETIN

325832

Volume 5
November 14, 1969
Number 23

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

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In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

- Compound Tested
- Company furnishing the compound
- Author or Investigator
- Test Sponsor
- Date
- Location
- Mode of Application
- Rates of Application
- Soil Types
- Carriers
- Crops or Weeds tested with phytotoxicity ratings
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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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- The following species and subspecies were given:
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R J Gagne

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Apr 1968 420 EN82M

Asteromyia, Cecidomyiidae, Insect morphology, Insect taxonomy, Metamorphosis, Plant galls, Zoogeography.

Abstract: Seven new species are recognised: *A. carbonifera*, *A. clarkei*, *A. laeviana*, *A. modesta*, *A. chrysosthamni*, *A. euthamiae*, *A. gutierreziae*.

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D C Geijskes

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Ephemeroptera, Insect taxonomy, Neuroptera, Odonata, Trichoptera. English abstract.

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J Gomez-Menor Ortega

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Coccoidea, Homoptera, Insect taxonomy, Zoogeography.

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Insect taxonomy, Syrphidae.

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Indexing, Insect ecology, Insects, Zoogeography.

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Buprestidae, Insect taxonomy, Zoogeography. English and German summaries.

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Insect taxonomy, Surveys, Tineidae.

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Geometridae, Insect ecology, Insect taxonomy, Zoogeography.

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AEDES MELANIMON IN SASKATCHEWAN.

R G Holmberg D Trofimenkoff

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Aedes melanimon, Surveys.

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V C Kapoor

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Dermaptera, Forficulidae, Insect taxonomy, Labiidae, Zoogeography.

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A NOTE ON *EPILANDEX BURRI* (BORELLI) (DERMAPTERA: CARCINOPHORINAE) AND *PAEPARCHUS PELVIMETER* HEBARD (DERMAPTERA: OPISTHOCOSMIINAE).

V C Kapoor

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Dermaptera, Insect biology, Insect taxonomy.

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RESULTS OF THE ZOOLOGICAL RESEARCH IN MONGOLIA OF DR. Z. KASZAB. 197. TENEBRIONIDAE (COLEOPTERA) OF THE 6TH EXPEDITION. (GE)

Z Kaszab

Acta Zool (Budapest) 15(3-4):299-332 MAP REF

1969 410 AC85

Insect taxonomy, Surveys, Tenebrionidae, Zoogeography.

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P Knudsen

Norsk Entomol Tidsskr 14(1):44-55 REF MAP

1967 421 N812

Anobium punctatum, Household pests, Humidity, *Hylotrupes bajulus*, Insect dissemination, Population, Statistical distributions, Temperature, Zoogeography.

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NOTES ON ARADIDAE FROM THE EASTERN HEMISPHERE, XX (HEM. HETEROPTERA).

N A Kormilev

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28 Feb 1967 421 EO7

Aradidae, Heteroptera, Insect physiology, Insect taxonomy, Zoogeography.

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J Kral

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Alticinae, Chrysomelidae, Insect taxonomy, Zoogeography.

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01 Jul 1969 420 N38B

Surveys, Syrphidae. English abstract.

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Acarina, Insect taxonomy, Mites, Surveys.

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DRAGONFLIES OF ANGLESEY.

M G Matthews

Entomologist (london) 102(1275):193

Aug 1969 421 EN8

Insect taxonomy, Odonata.

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NEW AND LITTLE KNOWN BEES OF THE GENUS *AMMOBATES* (HYMENOPTERA APOIDEA).

G A Mavromoustakis

Pol Pismo Entomol 38(1):141-157

1968 421 P76

Ammobates, Apidae, Bees, Insect taxonomy, Zoogeography. English summary

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SOME NEW ORIBATEI FROM XEROTHERM SOIL OF CENTRAL SPAIN (ACARINA). (SP)

F Mihelcic

Eos 42(0):517-525 REF

28 Feb 1967 421 EO7

Insect ecology, Insect taxonomy, Mites, Oribatei, Soils, Zoogeography.

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A SYSTEMATIC STUDY OF OVATICOCOCCUS KLOET AND ITS RELATIVES, WITH A KEY TO NORTH AMERICAN GENERA OF ERIOCOCCIDAE (HOMOPTERA: COCCOIDEA: ERIOCOCCIDAE).

D R Miller H L McKenzie

Hilgardia 38(13):471-539 REF

Oct 1967 100 C12H

Coccoidea, Eriococcidae, Insect taxonomy, Surveys, Zoogeography.

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NEW MESITIUS SPECIES (HYMENOPTERA: BETHYLIDAE).

L Moczar

Acta Zool (Budapest) 15(3-4):371-377

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Bethylidae, Insect taxonomy, Zoogeography.

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ON SOME BUTTERFLIES FROM THE INDO-PACIFIC REGION.

E J Nieuwenhuis T G Howarth

Entomol Ber 29(5):85-88

01 May 1969 420 N38B

Australian Region, Butterflies, Insect taxonomy, Oriental region.

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EPILECTA LINOGRISEA SCHIFF. IN NORMANDY, THEIR PURSUIT TODAY, THEIR RAISING FROM EGGS. (FR)

R Olivier

Alexanor 5(2):67-72

1967 421 AL2

Epilecta, Insect collecting equipment, Insect eggs, Insect rearing, Larvae, Nymphs, Reproduction, Zoogeography.

13581-69

A SYNOPSIS OF THE PHAENOCARPA FORST. SPECIES OF THE NEOTROPIC REGION (HYMENOPTERA: BRACONIDAE, ALYSIIDAE).

J Papp

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1969 410 AC85

Braconidae, Insect taxonomy, Surveys, Zoogeography.

13582-69

LETHE EURYDICE (JOHANSSON) AND L. FUMOSUS (LEUSSLER), SIBLING SPECIES (LEPIDOPTERA: SATYRIDAE).

C F dos Passos

N Y Entomol Soc J 77(2):117-122 REF

Jun 1969 420 N48J

Insect ecology, Insect taxonomy, Satyridae.

13583-69

THE LOHMANNIIDAE OF SPAIN (ACARI, ORIBATEI). (FR)

C Perez-Inigo

Eos 43(1-2):157-170

15 Nov 1967 421 EO7

Acari, Insect ecology, Insect morphology, Insect taxonomy, Mites, Oribatei, Zoogeography.

13584-69

HOST ASSOCIATIONS AND TAXONOMY OF NEARCTIC CONIFER CONE MOTHS IN THE GENUS EUCOSMA (LEPIDOPTERA: TORTRICIDAE).

J A Powell

Hilgardia 39(1):1-36 MAP REF

Jan 1968 100 C12H

Eucosmidae, Insect taxonomy, Surveys, Tortricidae, Zoogeography.

13585-69

MELIGETHES WANKAI REITTER (COL.) NITIDULIDAE: NEW SPECIES FOR GERMANY. (GE)

K Renner

Entomol Bl 65(2):65-66

01 Sep 1969 421 EN833

Insect taxonomy, Meligethes, Nitidulidae.

13586-69

CONTRIBUTION TO THE KNOWLEDGE OF THE ITALIAN SIMULIIDAE. XV. A NEW EUSIMULIUM OF THE GROUP ANNULUM. (IT)

L Rivoiseccchi

Riv Parassitol 28(1):63-70

Mar 1967 436.8 R52

Eusimulium, Insect physiology, Insect taxonomy, Larvae, Pupae, Simuliidae, Zoogeography. English summary

13587-69

A NEW NEARCTIC LEAFHOPPER OF THE GENUS FLEXAMIA (HEMIPTERA: CICADELIDAE).

H H Ross T A Cooley

Entomol News (philadelphia) 80(9):246-248

Sep 1969 421 EN88

Cicadellidae, Insect taxonomy.

13588-69

THE TAXONOMIC POSITION OF SCROLIPALPA HUNGARIAE (STANDING, 1871) (LEPIDOPTERA: GELECHIIDAE). (GE)

K Sattler

Acta Zool (Budapest) 15(3-4):391-396 REF

1969 410 AC85

Gelechiidae, Insect taxonomy.

13589-69

ON THE SYSTEMATICS OF THE BRADYCECLUS SPECIES FROM THE HARPALINUS GROUP SERV.. (GE)

H Schweiger

Entomol Bl 65(2):86-101

01 Sep 1969 421 EN833

Carabidae, Insect taxonomy, Zoogeography.

13590-69

PRELIMINARY DIAGNOSIS OF NEW SPECIES OF TRICHO LABIODES RAD. (HYM. MUTILLIDAE). (SP)

F J Suarez

Eos 42(0):561-573

28 Feb 1968 421 EO7

Insect morphology, Insect physiology, Insect taxonomy, Mutillidae, Tricholabiodes.

13591-69

TWO NEW SPECIES OF THE GENUS THERIOAPHIS WALK. (HOMOPTERA: APHIDIDAE) FROM HUNGARY. (GE)

H Szelegiewicz

Acta Zool (Budapest) 15(3-4):455-462

1969 410 AC85

Aphididae, Insect taxonomy, Therioaphis.

13592-69

A PALAEARCTIC REPRESENTATIVE OF THE GENUS PARAHOMALOPODA GIRAULT (HYMENOPTERA, ENCYRTIDAE). (RUS)

V A Trjapitzin

Zool Zh 48(8):1252-1254

Aug 1969 410 R92

Encyrtidae, Insect evolution, Insect taxonomy.

13593-69

EUPITHECIA SZELENYII SP. NOV. (LEPIDOPTERA: GEOMETRIDAE).

A Vojnits

Acta Zool (Budapest) 15(3-4):463-466

1969 410 AC85

Geometridae, Insect taxonomy.

13594-69

CONTRIBUTIONS TO THE ELUCIDATION OF PALEARCTIC ANDRENA SPECIES. (HYM. APIDAE). (GE)

K Warncke

Eos 43(1-2):171-318

15 Nov 1967 421 EO7

Andrena, Apidae, Indexing, Insect morphology, Insect taxonomy, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

13595-69

EFFECT OF AGE AND PREVIOUS MATING ON THE RESPONSE OF KHAPRA BEETLE MALES TO FEMALE SEX PHEROMONE.

C Adeesan G W Rahalkar A J Tamhankar

Entomol Exp Appl 12(2):229-234

1969 421 EN895

Aging, Attractants, Pheromones, Sex behavior, Trogoderma granarium.

13596-69

COITUS BY AEDES AEGYPTI MALES WITH UNROTATED AND PARTIALLY ROTATED TERMINALIA.

D H Akey J C Jones

Mosquito News 28(4):652-653

Dec 1968 421 M85

Aedes aegypti, Reproduction, Reproductive organs, Sex behavior.

13597-69

SUGARS AND TREHALASE IN THE REPRODUCTIVE ORGANS AND HEMOLYMPH OF THE QUEEN AND DRONE HONEY BEES (APIS MELLIFICA L. VAR. LIGUSTICA SPIN.).

E Alumot Y Lensky P Holstein

Compar Biochem Physiol 28(3):1419-1425 REF

Mar 1969 444.8 C73

Apis mellifera, Blood, Enzymes, Insect biochemistry, Reproductive organs, Sugars, Trehalase.

13598-69

DISTRIBUTION OF ALKALINE PHOSPHATASE IN THE CASTES OF THE TERMITE ODONTOTERMES REDEMANNI (WASMANN) AND ITS ROLE IN CASTE FORMATION.

B Banerjee

Insectes Sociaux 14(1):51-56

Mar 1967 421 IN79

Alkaline phosphatase, Brain, Central nervous system, Cytology, Gastrointestinal system, Insect biochemistry, Larvae, Social insects, Termites.

13599-69

SEX IDENTIFICATION OF LIVE MOSQUITO PUPAE IN THE LABORATORY.

P Barbosa

Mosquito News 28(4):643-644

Dec 1968 421 M85

Aedes aegypti, Insect rearing, Pupae, Sex determination.

13600-69

MONOGYNY IN ANT SOCIETIES.

C Baroni-Urbani

Zool Anz 181(3-4, SEP-OCT):269-277 REF

Oct 1968 410 Z7

Formicidae, Insect behavior, Reproduction, Social insects.

13601-69

BIOLOGY OF THE TREFOIL SEED CHALCID, BRUCHOPHAGUS KOLOBOVAE FEDOSEEVA (HYMENOPTERA: EURYTOMIDAE).

W C Batiste

Hilgardia 38(12):427-469 REF

Oct 1967 100 C12H

Bruchophagus kolobovae, Insect biology, Insect rearing, Insect rearing equipment, Light, Plant injuries, Population, Temperature.

13602-69

HYMENOPTERA ASSOCIATED WITH ELM BARK BEETLES IN WYTHAM WOOD, BERKS.

R A Beaver

Soc Brit Entomol Trans 17(Pt 6):141-150 REF

Aug 1967 420 SO15

Braconidae, Chalcididae, Hymenoptera, Insect biology, Metamorphosis, Parasitic insects, Predaceous insects, Pteleobius vittatus, Pteromalidae, Scolytus multistriatus, Scolytus scolytus.

13603-69

PATHOGENESIS OF AN ASPERGILLUS FLAVUS INFECTION OF GALLERIA MELLONELLA EGGS.

C N Behnke W G Yendol

Entomophaga 14(2):177-184 REF

1969 421 EN835

Aspergillus flavus, Conidia, Galleria mellonella, Insect diseases, Insect eggs.

13604-69

PHOSPHORUS-32 FOR MARKING TABANIDAE (DIPTERA).

G F Bennett S M Smith

Mosquito News 28(4):559-569 MAP REF

Dec 1968 421 M85

Insect behavior, Insect flight, Phosphorus 32, Radioactive tracers, Tabanidae.

13605-69

NOTES ON THE BIOLOGY OF CTENOPHTHALMUS P. PSEUDAGYRTES BAKER IN THE NORTHEAST (SIPHONAPTERA: HYSTRICHOSSYLLIDAE).

A H Benton D L Kelly

N Y Entomol Soc J 77(2):70-74 REF

Jun 1969 420 N48J

Hystrichosyllidae, Insect biology, Insect ecology, Population.

13606-69

THE ROLE OF BETA-ALANYL-L-TYROSINE (SARCOPHAGINE) IN PUPARIUM FORMATION IN THE FLESH FLY SARCOPHAGA BUL-LATA.

13607-69

R P Bodnaryk L Levenbook
Compar Biochem Physiol 30(5):909-921 REF
01 Sep 1969 444.8 C73
Development, Insect physiology, Pupae, Sarcophaga bullata, Tyrosine.

13607-69

ENEMIES OF ACARIDAE. (GE)
H Bohm

Pflanzenarzt 21(3):32
01 Mar 1968 464.9 P482
Acaridae, Anthocoridae, Biological control (insects), Chloroethyltrimethylammonium chloride, (2-, Predaceous insects, Thysanoptera, Typhlodromus.

13608-69

HOST SPECIFICITY WITH ONCOPELTUS FASCIATUS (HETEROPTERA: LYGAEIDAE). (GE)
J Bongers

Entomol Exp Appl 12(2):147-156 REF
1969 421 EN895
Asclepias syriaca, Food habits, Insect biology, Insect nutrition, Oncopeltus fasciatus, Peanuts, Sunflowers, Surveys.

13609-69

OBSERVATIONS ON SEVERAL CASES OF LEG REGENERATION IN LOXOSCELES RU-FESCENS (DUFOUR) (ARANEAE, SCYTODIDAE). (IT)
P M Brignoli
Fragmenta Entomol 6(2):115-120
18 Aug 1969 421 F84
Development, Insect physiology, Legs, Regeneration, Spiders. English abstract.

13610-69

COMPARATIVE FINE STRUCTURE OF ACARINE INTEGUMENT.
A R Brody
N Y Entomol Soc J 77(2):105-116
Jun 1969 420 N48J
Acarina, Cuticle, Insect physiology.

13611-69

TEMPERATURE ACCLIMATION OF RESPIRATION IN CULEX PIPIENS PIPIENS (DIPTERA: CULICIDAE) AND THE INFLUENCE OF SEASONAL SELECTION.
J D Buffington
Compar Biochem Physiol 30(5):865-878 REF
01 Sep 1969 444.8 C73
Culex pipiens, Culicidae, Insect adaptation, Insect physiology, Respiration, Temperature.

13612-69

EXPERIMENTS WITH FOOD ATTRACTANTS FOR THE DETECTION AND CONTROL OF FRUIT FLIES IN THE STATE OF VERACRUZ.
J V Camplis
Fitofilo 59(21 JUL-SEP):15-21
Sep 1968 421 F55
Attractants, Food habits, Insect control, Trypetidae.

13613-69

DISTRIBUTION AND ECOLOGY OF AEDES BICRISTATUS THURMAN AND WINKLER.
S J Carpenter D J Womeldorf
Calif Vector Views 15(4):37-41
Apr 1968 449.8 C12
Aedes bicristatus, Aedes increpitus, Culicidae, Culiceta incidens, Culiceta inornata, Insect ecology, Insect morphology, Insect rearing, Larvae, Population.

13614-69

THE EFFECT OF IMPROVED RICE FARMING TECHNIQUES ON MOSQUITO POPULATIONS IN CENTRAL TAIWAN.
M D Cates
Mosquito News 28(4):582-593 REF
Dec 1968 421 M85
Culicidae, Farming methods, Population, Rice, Surveys.

13615-69

CHEMICAL CONTROL OF CHROTOGONUS TRACHYPTERUS BLANCHARD.
B S Chahal G S Sohi
Plant Protect Bull 18(3):1-7
1966 421 P69
Benzene hexachloride, Chemical control (insects), Chrotogonus, Dusting, Insect biochemistry, Insecticides, Laboratories, Spraying.

13616-69

A PROCEDURE FOR COLLECTING ALL OF THE FORMICA POLYCTENA REJECTIONS FROM THE NEST. (FR)
R Chauvin
Insectes Sociaux 14(1):41-46
Mar 1967 421 IN79
Excavation, Formica polyctena, Formicidae, Insect collecting equipment, Insect nests, Mortality, Social insects. English summary

13617-69

AXONAL OUTGROWTH AND CELL MIGRATION IN VITRO FROM NERVOUS SYSTEM OF COCKROACH EMBRYOS.
J S Chen R Levi-montalcini
Science 166(3905):631-632
31 Oct 1969 470 SCI2
Brain, Ganglion cells, Insect physiology, Periplaneta americana, Tissue culture.

13618-69

INFLUENCE OF PHOTOPERIOD ON DEVELOPMENT AND LARVAL DIAPAUSE IN THE VICEROY BUTTERFLY, LIMENITIS ARCHIPPUS.
S H Clark A P Platt
J Insect Physiol 15(10):1951-1957
Oct 1969 421 J825
Insect physiology, Larvae, Light, Nymphalidae, Photoperiodism.

13619-69

RELATIVE SUSCEPTIBILITY OF PSOROPHORA CONFINNIS (LYNCH-ARIBALZAGA) LARVAE IN THE RICE PRODUCING AREA OF SOUTHERN LOUISIANA TO SELECTED INSECTICIDES.
B R Craven C D Steelman
Mosquito News 28(4):596-597
Dec 1968 421 M85
Biological assay, Chlorinated hydrocarbons, Culicidae, Insecticides, Psorophora confinnis, Toxicology.

13620-69

EFFECT OF TEMPERATURE ON THE ENDOGENOUS ACTIVITY OF PERIPLANETA AMERICANA L. NERVE CORD.
V D' Ajello S Bettini A Grasso
Riv Parassitol 28(1):71-78
Mar 1967 436.8 R52
Chlorinated hydrocarbons, Culture media, Cytology, DDT, Insect physiology, Nerves, Periplaneta americana, Schistocerca gregaria, Temperature, Toxicology. Italian summary

13621-69

MITOCHONDRIAL OXIDATIONS OF FATTY ACIDS IN THE BLOWFLY, LUCILIA.
M A D'Costa L M Birt
J Insect Physiol 15(10):1959-1968
Oct 1969 421 J825
Fatty acids, Insect biochemistry, Mitochondria, Oxidation, Phaenicia cuprina.

13622-69

THE INFLUENCE OF PARENTAL AGE ON SIZE OF EGGS, DURATION OF DEVELOPMENT, AND THORACIC SIZE OF THE PROGENY IN DROSOPHILA MELANOGASTER. (FR)
J Delcours
J Insect Physiol 15(10):1999-2011
Oct 1969 421 J825
Aging, Drosophila melanogaster, Insect eggs, Insect morphology, Insect physiology. English abstract.

13623-69

FUNCTION OF INSECT COMPOUND EYES CONTAINING CRYSTALLINE TRACTS.
K B Doving W H Miller
J Gen Physiol 54(2):250-267 REF
Aug 1969 447.8 J822
Compound eye, Insect physiology, Lepidoptera, Optics.

13624-69

EVOLUTION OF XANTHINE DEHYDROGENASE IN DROSOPHILA.
E J Duke E Glassman
Genetics 58(1):101-112 REF
Jan 1968 442.8 G28
Drosophila, Electrophoresis, Enzymes, Insect biochemistry, Insect evolution, Serological tests, Xanthine dehydrogenase.

13625-69

A SIMPLE SEPARATOR FOR MOSQUITO LARVAE AND PUPAE.
F D S Evans H T Evans
Mosquito News 28(4):649-654
Dec 1968 421 M85
Culicidae, Insect collecting equipment, Larvae, Pupae.

13626-69

CONCENTRATION OF INSECT HEMOLYMPH PROTEINS UNDER VARIOUS EXPERIMENTAL CONDITIONS.
D Feir L Krzywda
Compar Biochem Physiol 31(2):197-204 REF
15 Oct 1969 444.8 C73
Carcinogens, Hemolymph, Insect biochemistry, Oncopeltus fasciatus, Proteins, Starvation.

13627-69

RESPIRATORY METABOLISM DURING METAMORPHOSIS: RESPIRATION IN VITRO OF THE OVARIES OF BOMBYX MORI. (FR)
J Fourche J C Ambrosioni
J Insect Physiol 15(10):1991-1997
Oct 1969 421 J825
Insect metabolism, Metamorphosis, Ovaries, Respiration, Bombyx mori. English abstract.

13628-69

RESEARCH ON THE EFFECT OF THE QUEEN BEE'S SUBSTANCE ON THE DEVELOPMENT OF THE ENDOCRINE GLAND OF THE WORKER HONEYBEE (APIS MELLIFICA). (GE)
R Gast
Insectes Sociaux 14(1):1-12 REF
Mar 1967 421 IN79
Apis mellifera, Corpora allata, Endocrine glands, Hormones, Insect morphology, Insect physiology, Queen bees, Research. English and French summaries

13629-69

METHODOLOGY EMPLOYED IN THE CALIFORNIA MOSQUITO LARVICIDE RESISTANCE SURVEILLANCE PROGRAM.
P A Gillies D J Womeldorf
Calif Vector Views 15(5):45-50
May 1968 449.8 C12
Culicidae, Insect rearing, Insecticide resistant insects, Ketone bodies, Larvae, Larvicides, Methodology, Research.

13630-69

THE INFLUENCE OF TEMPERATURE ON HOST ORIENTATION BY THE ALFALFA WEEVIL, HYPERA POSTICA.
Z Golik R L Pienkowski
Entomol Exp Appl 12(2):133-138 REF
1969 421 EN895
Alfalfa, Hypera postica, Insect behavior, Temperature.

13631-69

NEW EXPERIMENTS WITH MUELLER TERMITES (MACROTHERMES MUELLERI) AND CONSIDERATIONS OF THE STIGMERGY THEORY. (FR)
P P Grasse

Insectes Sociaux 14(1):73-101 REF

Mar 1967 421 IN79

Cubitermes, Insect behavior, Insect nests, Macrotermes, Macrotermes muelleri, Social insects, Termites, Wood-destroying insects. German and English summaries

13632-69

SEXUAL RECEPTIVITY IN FEMALE AEDES AEGYPTI.

R W Gwadz G B Craig

Mosquito News 28(4):586-593 REF

Dec 1968 421 M85

Aedes aegypti, Insect behavior, Reproduction, Sex behavior.

13633-69

FERTILIZATION IN DROSOPHILA. III. A REVALUATION OF THE ROLE OF POLYSPERMY IN DEVELOPMENT OF THE MUTANT DEEP ORANGE.

P E Hildreth J C Lucchesi

Develop Biol 15(6):536-552 REF

Jun 1967 442.8 D49

Cell division, Drosophila, Embryology, Insect abnormalities, Insect eggs, Insect physiology, Mortality, Reproduction, Spermatzoa, Tephritidae.

13634-69

DIFFRACTION GRATINGS IN BURYING BEETLES (NICROPHORUS).

H E Hinton

Entomologist (london) 102(1275):185-189

Aug 1969 421 EN8

Color, Insect morphology, Insect protective devices, Silphidae.

13635-69

ALIESTERASE ACTIVITY AND REPRODUCTION IN BLATTELA GERMANICA.

G H S Hooper T K Wan

Entomol Exp Appl 12(2):211-220 REF

1969 421 EN895

Blattella germanica, Carboxylesterase, Insect biochemistry, Insect physiology, Reproduction.

13636-69

CAFFEINE-INDUCED ACTIVATION OF CONTRACTION IN STICK INSECT SKELETAL MUSCLE.

H Huddart

Compar Biochem Physiol 28(3):1185-1192 REF

Mar 1969 444.8 C73

Caffeine, Carausius morosus, Muscles, Phasmatidae.

13637-69

THE USE OF HELICOPTERS IN FLORIDA FOR RAPID INSPECTION FOR SALT MARSH AEDES LARVAE.

P J Hunt

Mosquito News 28(4):495-498

Dec 1968 421 M85

Aedes, Aircraft, Larvae, Population, Surveys.

13638-69

INSECT ANSWERS; INSECTICIDE TOXICITY TO HONEY BEES.

C Johansen A H Retan

Wash State Univ Ext E M (2805):2P

Jan 1969 275.29 W27M1

Apidae, Apis mellifera, Insect pollinators, Insecticides, Plant protection, Toxicology. Many insecticides are listed

13639-69

INVESTIGATION ON THE VARIABILITY OF THE THERMIC PREFERENDUM FOR CHOSEN INSECTS OF THE FAMILY CHRYSOMELIDAE (COLEOPTERA). (POL)

W Kadlubowski W Dudik

Pol Pismo Entomol 38(1):175-187 REF

1968 421 P76

Agelastica alni, Chrysomelidae, Insect physiology, Lina tremulae, Phyllodecta vitellinae, Temperature. English summary

13640-69

A BRIEF REVIEW OF NECROTIC ARACHNIDISM OR NORTH AMERICAN LOXOSCELSM.

B Keh

Calif Vector Views 14(7):48-50 REF

Jul 1967 449.8 C12

Loxosceles reclusa, Poisoning, Reviews, Spider venom.

13641-69

ON THE COMPARATIVE STUDY OF SOME NEW INSECTICIDES FOR THE CONTROL OF JUTE SEMI-LOOPER (COSMOPHILA SABULIFERA).

D U Khan K A Ahmed

Union Carbide Agr Chem Dig 10(1):6-7

1968 381 UN3

Anomis sabulifera, Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, DDT, Insect pests, Insecticides, Larvae, Noctuidae, Toxicology.

13642-69

ON THE VOLTINISM OF POLYOMMATUS ICARUS ROTT. (LEP., LYCAENIDAE) IN GREAT BRITAIN.

E Lees

Entomologist (london) 102(1275):194-196

Aug 1969 421 EN8

Insect adaptation, Lycaenidae, Population, Zoogeography.

13643-69

FUNCTION AND PROPERTIES IN AN ASSEMBLING SCENT IN THE KHAPRA BEETLE, TROGODERMA GRANARIUM.

H Z Levinson A R Bar Ilan

Riv Parassitol 28(1):27-43

Mar 1967 436.8 R52

Chloroform, Cuticle, Ethers, Hemolymph, Insect biochemistry, Ovipositors, Properties, Scent glands, Tissues, Trogoderma granarium, Water. Italian summary

13644-69

PRELIMINARY TOXICITY STUDIES ON THE YELLOWJACKET VESPULA PENNSYLVANICA (SAUSSURE) IN CALIFORNIA.

L L Lewallen

Calif Vector Views 15(1):1-2

Jan 1968 449.8 C12

Chlorinated hydrocarbons, Insect biochemistry, Insecticides, Mortality, Organophosphorus compounds, Thiocyanates, Vespula pensylvanica.

13645-69

BIOLOGY OF TRYPARGILUM SPINOSUM, WITH NOTES ON T. TEXENSE AND T. POLITUM AT LAKE TEXOMA (HYMENOPTERA: SPHECIDAE: TRYPOXYLONINAE).

C S Lin

Wasmann J Biol 27(1,SPRING):125-133 REF

1969 442.8 W28

Food habits, Insect behavior, Insect nests, Sphecididae.

13646-69

CYNIPOIDEA AND ICHNEUMONIDAE HYM. AS PARASITES OF BORIOMYIA SUBNEBULOSA (STEPH. NEUR. HEMEROBIIDAE). (GE)

E Lipkow

Entomophaga 14(2):229-241 REF

1969 421 EN835

Cynipoidea, Hemerobiidae, Ichneumonidae, Insect biology, Parasitism. English abstract.

13647-69

DETERMINATION OF FEMALES OF CALIPHORINI AND POLLENINI (DIPTERA, CALIPHORIDAE) BY OVIPOSITORS. (RUS)

A M Lobanov

Zool Zh 48(8):1189-1196

Aug 1969 410 R92

Calliphoridae, Insect identification, Insect morphology, Ovipositors.

13648-69

A SHORT NOTE ON PAPILIO MACHAON L. (LEP., PAPILIONIDAE). (DU)

A W P Maassen

Entomol Ber 29(7):131-132

01 Jul 1969 420 N38B

Insect rearing, Larvae, Papilionidae. English abstract.

13649-69

TRANSPORT OF MICROORGANISMS (PHI PARTICLES) BY THE FEMALE GERMINAL CELLS IN THE HOMOPTERA TYPHLOCYBA DOUGLASSI EDW. (FR)

P L Maillet R Folliot

Acad Sci Compt Rend Ser D Sci Nat 266(9):923-925

26 Feb 1968 505 P21

Cicadellidae, Cytology, Insect eggs, Microorganisms, Spermatzoa, Typhlocyba douglasi.

13650-69

SEASONAL ABUNDANCE OF MOSQUITOES IN SOUTHEASTERN MASSACHUSETTS.

A J Main R O Hayes R J Tonn

Mosquito News 28(4):619-626 REF

Dec 1968 421 M85

Culicidae, Population, Surveys.

13651-69

GENERALIZATION OF VISUAL STIMULI AS AN EXAMPLE OF SOLUTION OF ABSTRACT PROBLEMS BY BEES. (RUS)

G A Mazokhin-Porshnjakov

Zool Zh 48(8):1125-1139 REF

Aug 1969 410 R92

Apis mellifera, Eyes, Insect behavior, Vision.

13652-69

LOSS OF RHYTHMIC ACTIVITY IN FEMALE ANTS CAUSED BY MATING.

E S McCluskey C E Carter

Compar Biochem Physiol 31(2):217-226 REF

15 Oct 1969 444.8 C73

Insect behavior, Insect flight, Pogonomyrmex, Sex behavior, Veromessor.

13653-69

ANTENNAL TUFT ORGANS OF PEDICULUS HUMANUS LINN. AND PHTHIRUS PUBIS (LINN.) (ANOPLURA: PEDICULIDAE).

F H Miller

N Y Entomol Soc J 77(2):85-89

Jun 1969 420 N48J

Antennae, Electron microscopy, Insect morphology, Pediculus humanus, Phthirus pubis.

13654-69

TETRAHYDROFOLATE COFACTORS IN THE HOUSE FLY MUSCA DOMESTICA.

S Miller

Compar Biochem Physiol 30(5):955-963 REF

01 Sep 1969 444.8 C73

Coenzymes, Folic acid, Insect biochemistry, Insect physiology, Musca domestica.

13655-69

FURTHER OBSERVATIONS ON AEDES VEXANS (MEIGEN) IN UTAH.

K L Minson J E Graham

Mosquito News 28(4):553-558 MAP

Dec 1968 421 M85

Aedes vexans, Population, Surveys, Zoogeography.

13656-69

ESTABLISHMENT AND MAINTENANCE OF A LABORATORY COLONY OF AEDES NIGROMACULIS (LUDLOW) (DIPTERA: CULICIDAE) BY INDUCED MATING.

T Miura

Calif Vector Views 14(9):56-58

Sep 1967 449.8 C12

Aedes nigromaculis, Culicidae, Insect biology, Insect cages, Insect rearing, Laboratories, Population, Reproduction.

ENTOMOLOGY

13657-69

13657-69

HABITAT SELECTION OF LABORATORY POPULATIONS OF TRIBOLIUM.

M T Morgan

Entomol News (philadelphia) 80(9):237-245

(CONCL) REF

Sep 1969 421 EN88

Habitats, Humidity, Insect behavior, Insect ecology, Temperature, Tribolium.

13658-69

AN ALL-PURPOSE FIELD KIT FOR COLLECTING AND TRANSPORTING AQUATIC INSECTS.

W R Nowell A T O'Neal

Mosquito News 28(4):598-602

Dec 1968 421 M85

Aquatic insects, Insect collecting equipment.

13659-69

THE LARVAL BEHAVIOR OF TRYPOXYLON FIGULUS L. (HYM., SPHECIDAE).

C O'Toole

Entomologist (london) 102(1275):173-176

Aug 1969 421 EN8

Food habits, Insect behavior, Larvae, Sphecidae.

13660-69

MOSQUITO COLLECTIONS BY CDC MINIATURE LIGHT TRAPS AND LIVESTOCK-BAITED STABLE TRAPS AT CALLAO, UTAH.

J K Olson R E Elbel K L Smart

Mosquito News 28(4):512-516 REF

Dec 1968 421 M85

Culicidae, Insect collecting equipment, Light traps, Livestock, Methodology, Surveys.

13661-69

THE NOPALEA FLY, DASIOPS BENNETTI, MCALPINE DIPTERA, LONCHAEIDAE. (SP)

R C Padilla A M Gutierrez

Fitofilo 59(21,JUL-SEP)15-11

Sep 1968 421 F55

Dasiops, Insect biology.

13662-69

RECOVERY AFTER KNOCKDOWN AND NON-CONTACT TOXICITY OF CARBAMATES CARBAMULT AND ARPROCARB.

C P Pant L S Self

Mosquito News 28(4):630-638

Dec 1968 421 M85

Anopheles, Carbamates, Insect physiology, Toxicology.

13663-69

ABSORPTION AND METABOLISM OF A 10 PER CENT GLUCOSE SOLUTION IN THE MOSQUITO CULEX PIPIENS MOLESTUS FORSK. (CZ)

J Paulovova S Paulov

Biologia (bratislava) 22(1):58-63

1967 442.8 B5265

Absorption, Culex pipiens molestus, Culicidae, Glucose compounds, Insect biochemistry, Insect metabolism.

13664-69

STOMOXYS CALCITRANS (L.) BREEDING ALONG TVA RESERVOIR SHORELINES.

E Pickard

Mosquito News 28(4):644-646

Dec 1968 421 M85

Habitats, Insect outbreaks, Stomoxys calcitrans.

13665-69

PHEROMONE RESPONSE IN PINE BARK BEE-TLES: INFLUENCE OF HOST VOLATILES.

G B Pitman

Science 166(3907):905-906

14 Nov 1969 470 SC12

Dendroctonus, Insect biochemistry, Insect physiology, Pheromones, Pinus, Volatile substances.

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13667-69

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13669-69

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S Prasertphon Y Tanada

Hilgardia 39(21):581-600 REF

Jul 1969 100 C12H

Chemical analysis, Entomogenous fungi, Entomophthora, Galleria mellonella, Heliothis zea, Hyalophora cecropia, Insect physiology, Larvae, Bombyx mori, Toxins.

13670-69

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Aug 1969 410 R92

Atmosphere, Barometric pressure, Carpoglyphus lactis, Humidity, Ionizing radiation, Light traps, Temperature, Ultraviolet rays, Wind.

13671-69

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Glands (insects), Glycine, Insect biochemistry, Larvae, Proteins, Bombyx mori, Synthesis. English abstract.

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13674-69

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S V Rao P DeBach

Hilgardia 39(19):515-553 REF

Jun 1969 100 C12H

Aphytis, Hymenoptera, Insect behavior, Insect evolution, Insect rearing, Parasitic insects. Senior author is now Mrs. Sudha Nagarkatti.

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Aphytis, Insect behavior, Insect rearing, Parasitic insects, Sex. Senior author is now Mrs. Sudha Nagarkatti.

13676-69

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13677-69

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Grasshoppers, Insect collecting equipment, Insect eggs, Insect outbreak forecasting, Insect outbreaks, Population, Surveys, Zoogeography.

13678-69

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Culicidae, Food habits, Habitats, Insect ecology, Larvae, Plants.

13679-69

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13680-69

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Eyes, Insect physiology, Nervous system, Scorpionida.

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Biological laboratories, Chromosomes, Drosophila melanogaster, Insect genetics, Laboratory animals, Salivary glands (insects).

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Chromosomes, Drosophila, Insect genetics, Insect morphology, Proteins, Spermatocytes. English summary

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Chromosoma 21(4):463-471 REF

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Actinomycin d, Chromosomes, Insect genetics, Meiosis, Schistocerca gregaria, Spermatocytes.

13724-69

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13725-69

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13726-69

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Chromosomes, Cytology, Drosophila melanogaster, Glands (insects), Insect genetics, Salivary glands.

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Drosophila melanogaster, Insect genetics, Insect rearing, Reproduction, Spermatzoa.

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Biological assay, Chemical control (insects), Coal tar, Culicoides, Insect control, Larvicides.

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Aquatic insects, Biological control (insects), Cecidomyiidae, Chaoborus astictopus, Fish, Fisheries, Plankton, Population, Water analysis.

13731-69

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 Chemical control (insects), Chlorinated hydrocarbons, Culicidae, DDT, Insecticides, Surveys.

13732-69
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 Culicidae, Insect control, Insecticides, Pyrethrum, Smoke.

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SOME RECENT DEVELOPMENTS AND TRENDS IN VECTOR CONTROL ASPECTS OF MALARIA ERADICATION.

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Mosquito News 28(4):491-495 REF
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13734-69
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Mosquito News 28(4):524-525
 Dec 1968 421 M85
 Aerial spraying, Aircraft, Chemical control (insects), Culicidae, Fenthion, Insect control, Insecticides, Malathion, Methyl parathion, Organophosphorus compounds, Spraying.

13735-69
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 Culicidae, Insect control, Insect ecology, Population, Reservoirs.

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Mosquito News 28(4):593-595
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 Aedes sollicitans, Aedes taeniorhynchus, Aerial spraying, Chemical control (insects), Dimethoate, Fenthion, Insect control, Insecticide resistant insects, Malathion, Naled, Organophosphorus compounds.

13737-69
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Calif Vector Views 14(12):78-80
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13738-69
A SUBSURFACE LIGHT TRAP FOR SAMPLING AQUATIC INSECT POPULATIONS.

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Calif Vector Views 14(12):81-82
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 Aquatic insects, Culicidae, Insect collecting equipment, Insect traps, Light traps, Population.

13739-69
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Aerial spraying, Aircraft, Carbamates, Chemical control (insects), Culicidae, Fenthion, Insect control, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Larvae, Methodology, Organophosphorus compounds, Spraying.

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13741-69
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 Baits, Chemical control (insects), Chlordane, Insecticides, Vespula pensylvanica.

13742-69
MYXOMATOSIS: THE INTRODUCTION OF THE EUROPEAN RABBIT FLEA SPILOPSYLLUS CUNICULI (DALE) INTO AUSTRALIA.

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13743-69
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Mosquito News 28(4):569-571
 Dec 1968 421 M85
 Carbamates, Chemical control (insects), Culex restuans, Fenthion, Insect control, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Larvae, Organophosphorus compounds, Spraying.

13744-69
TWO FORMULATIONS EFFECTIVE IN THE LABORATORY AS OVICIDES FOR Aedes Aegypti (L.).

D P Wilton R E Cline R W Fay
Mosquito News 28(4):602-606
 Dec 1968 421 M85
 Aedes aegypti, Chemical control (insects), Eggs, Insect control, Ovicides.

CROP PROTECTION

13745-69
NEWS: CROPS.

Anonymous
Farm J 93(5):27
 May 1969 6 F2212C
 Chemical control (weeds), Corn, Crop yields, Farm management, Feed, Herbicides, Planting, Soybeans.

13746-69
LIST OF OFFICIAL TESTS AND ACKNOWLEDGED CEREAL SEED TREATMENT AS WELL AS OFFICIAL TESTS AND ACKNOWLEDGED EQUIPMENT FOR TREATMENT. (GE)

Anonymous
Brunswick Biol Bundesanst Land-forstwirtschafts Merkbl 2(19),4 P REF
 Sep 1967 464.9 B833M
 Dairy equipment, Grain, Seed treatment.

13747-69
PROTECTION OF APPLES AGAINST DISEASES AND PESTS, AND THE VALUE OF SOME PESTICIDES. (SE)

S Kokovic
Agrohemija 11-12:515-520
 Nov 1967 385 AG87
 Apples, Chemical control (plant diseases), Pesticides, Plant diseases, Plant pest control, Plant protection, Powdery mildew, Spraying, Tetrachloroethylthio)-4-cyclohexene-1,2-dicarboximide, cisN. English summary

13748-69
PEST AND DISEASE CONTROL IS MORE THAN SIMPLY PUTTING ON A SPRAY.

G S Lawes
New Zeal J Agr 119(2):114-115,117
 Aug 1969 23 N48J
 Crops, Methodology, Pest control, Pesticide application, Safety devices.

DISEASES

13749-69
ON CERTAIN PECULIARITIES OF THE PARASITISM OF THE TOBACCO BROOM RAPE. (RUS)

K Andreev M Lazarov
Rastenievud Nauk 5(6):13-20
 1968 64.8 R18
 Metabolism, Orobanche, Plant biochemistry, Weeds. French abstract.

13750-69
CONTROL OF LATE BLIGHT OF POTATO WITH MANEB IN NILGIRI HILLS.

M D Azariah
Indian Farming 19(3):42
 Jun 1969 22 IN283
 Chemical control (plant diseases), Fungus diseases (plants), Late blight, Maneb, Phytophthora infestans, Potatoes, Thiocarbamates.

13751-69
MERCURY TOLERANCE IN LEAF SPOT OF OATS.

A Bainbridge
Great Brit Min Agr Fish Food Agr 76(3):97-98
 Mar 1969 10 G79J
 Chemical control (plant diseases), Fungicide resistant fungi, Fungus diseases (plants), Leaf spot, Mercury compounds, Oats, Plant protection, Pyrenophora avenae, Seed-borne plant diseases, Seedling blight.

13752-69
ELECTROPHORETIC EXAMINATION OF THE ARABIS MOSAIC VIRUS AND THE YELLOW MOSAIC AND FANLEAF VIRUSES OF GRAPEVINES.

G G Belli
Riv Patol Veg (SER.4) 2(3):151-158
 Apr 1967 464.8 R52
 Arabis, Electrophoresis, Fanleaf, Grapes, Mosaic, Virology, Virus diseases (plants), Yellow mosaic.

13753-69
RELATIONSHIPS BETWEEN BORON TOXICITY AND RESISTANCE TO TWO TYPES OF CROWN BLIGHT AND TO POWDERY MILDEW IN MUSKMELON.

G W Bohn G N Davis
Hilgardia 39(11):325-339 REF
 Aug 1968 100 C12H
 Boron, Crown blight (cantaloupes), Fungus diseases (plants), Muskmelons, Plant disease resistance, Plant injuries, Powdery mildew.

13754-69
THE PRESENCE OF CURVULARIA IN CORN IN THE VALLEY OF MEDELLIN. (SP)

J J Castano A
Agr Trop 25(6):330-331
 Jun 1969 26 AG8

CROP PROTECTION

13755-69

Corn, Curvularia, Fungus diseases (plants), Plant diseases, Surveys.

13755-69

TAR SPOT ON THE LEAF OF CORN. (SP)

J J Castano A

Agr Trop 25(6):332

Jun 1969 26 AG8

Corn, Fungus diseases (plants), Phyllachora maydis, Plant diseases.

13756-69

CHANGES IN PHENOLIC METABOLISM OF SPRING-WHEAT INFECTED WITH STEM RUST.

V V Chigrin V Rozum

Soviet Plant Physiol 16(2,MAR-APR):269-273

REF

Apr 1969 450 F58AE

Fungus diseases (plants), Plant metabolism, Stem rust, Wheat. Russian journal Fiziologiya Rastenii, 16(2):330-335 Mar-Apr 1969.

13757-69

INFLUENCE OF MAIZE DWARF MOSAIC VIRUS AND TRACE LEVELS OF ATRAZINE ON WEIGHT AND FOLIAR ELEMENT ACCUMULATION BY TWO SINGLE CROSS MAIZE HYBRIDS IN THE GREENHOUSE.

H Cole D R Mac Kenzie C B Smith C D

Ercegovich

Plant Dis Rep 53(8):652-655

Aug 1969 1.9 P69P

Atrazine, Corn, Crop varieties, Dwarf disease, Herbicides, Micronutrients, Mosaic, Plant biochemistry, Plant physiology, Plant regulators, Soil sanitation, Virus diseases (plants).

13758-69

A SURVEY OF VIRUSES IN CULTIVATED STRAWBERRIES IN OREGON AND WASHINGTON.

R H Converse

Plant Dis Rep 53(8):610-614, REF

Aug 1969 1.9 P69P

Strawberries, Virus diseases (plants).

13759-69

OCCURRENCE OF NECROTIC SHOCK VIRUS IN STRAWBERRIES IN THE PACIFIC NORTHWEST.

R H Converse

Plant Dis Rep 53(8):608-610

Aug 1969 1.9 P69P

Necrotic shock, Strawberries, Virus diseases (plants).

13760-69

DIFFERENTIATION OF PATHOTYPES AMONG ISOLATES OF XANTHOMONAS VESICATORIA.

A A Cook R E Stall

Plant Dis Rep 53(8):617-619

Aug 1969 1.9 P69P

Bacterial diseases (plants), Bush redpeppers (vegetable), Tobacco, Tomatoes, Xanthomonas vesicatoria.

13761-69

CYLINDROCARPON RADICICOLA FOUND ASSOCIATED WITH WILT OF AZALEA.

E A Cox W J Manning F J Campbell

Plant Dis Rep 53(8):620

Aug 1969 1.9 P69P

Azalea, Cylindrocarpum radicicola, Fungus diseases (plants), Wilt.

13762-69

MODERATE TOLERANCE OF BEAN VARIETIES TO BROWN SPOT BACTERIUM (PSEUDOMONAS SYRINGAE).

D P Coyne M L Schuster

Plant Dis Rep 53(8):677-680

Aug 1969 1.9 P69P

Bacterial diseases (plants), Beans, Brown spot, Crop varieties, Plant disease resistance, Pseudomonas syringae.

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EFFECT OF LEAF RUST INFECTION ON THE CONVERSION OF GLUCOSE-U-14C INTO AMINO ACIDS IN EXCISED LEAVES OF PONCA WHEAT.

D D Davis G W Todd

Bot Gaz 129(4):322-327 REF

Dec 1968 450 B652

Amino acids, Fungus diseases (plants), Glucose-U-14, Leaf rust, Plant metabolism, Puccinia recondita, Synthesis, Wheat.

13764-69

PROTECTIVE SPRAYS INHIBIT SECONDARY SPREAD OF COMMON BACTERIAL BLIGHT IN SNAP BEANS.

L E Dickens N Oshima

Plant Dis Rep 53(8):647

Aug 1969 1.9 P69P

Agrimycin, Antibiotics, Bacterial blight, Beans, Chemical control (plant diseases), Copper sulfate, Cresol, m-, Spraying, Xanthomonas phaseoli, Xylenol, 2,4-.

13765-69

BREEDING FOR DISEASE RESISTANCE IN THE POTATO.

L J Dowley

Dublin Foras Taluntais Plant Sci Crop Husb 68-70

1967 103 D852

Fungus diseases (plants), Phytophthora infestans, Plant breeding, Plant disease resistance, Potatoes, Scab, Streptomyces scabies, Synchytrium endobioticum, Virus diseases (plants), Virus X, Virus Y, Wart (potatoes).

13766-69

STUDIES ON THE NECROSIS OF PEACH TREES.

M M El-Azzouni G R Stino E N Sawiris

Cairo Ain Shams Univ Fac Agr Bull 16(1):141-

149 REF

1969 24 C122

Mosaic, Necrosis, Peaches, Plant diseases, Plant physiology, Roots, Virus diseases (plants).

13767-69

INFLUENCE OF FUNGICIDES AND INSECTICIDES ON THE OCCURRENCE OF ASPERGILLUS ON PEANUT SEEDLINGS. I. INVESTIGATIONS IN VITRO. (GE)

V M El-Khadem

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz

75(2):86-93

Feb 1968 464.8 Z3

Aspergillus flavus, Aspergillus niger, Chemical control (plant diseases), Culture media, Fungicides, Fungus diseases (plants), Insecticides, Mercury compounds, Thiocarbamates, Thiram. English summary

13768-69

THE EFFECT OF FUMIGATION WITH HYDROGEN CYANIDE AND CARBON DISULPHIDE ON THE PHYSICAL PROPERTIES OF RICE SEEDS.

A K M El-Nahal F Y Refai T Fahmy

Cairo Ain Shams Univ Fac Agr Bull 16(2):387-

403 REF

1969 24 C122

Carbon disulfide, Fumigation, Hydrocyanic acid, Plant physiology, Rice, Seeds.

13769-69

PARSLEY SPOT IN U.A.R.

A A El-Shehedi

Cairo Ain Shams Univ Fac Agr Bull 16(1):239-

245

1969 24 C122

Cercospora, Fungus diseases (plants), Leafspot, Parsley, Plant diseases, Plant physiology.

13770-69

EFFECT OF FUNGAL INFECTION IN TOMATO FRUITS ON SEED GERMINATION. II.-ALTER-NARIA TENUIS.

A A El-Shehedi

Cairo Ain Shams Univ Fac Agr Bull 16(2):267-271

1969 24 C122

Alternaria tenuis, Fungus diseases (plants), Plant diseases, Plant physiology, Seed germination, Tomatoes.

13771-69

STUDIES ON POWDERY MILDEWS AFFECTING TWO UMBELLIFEROUS PLANTS.

A A El-Shehedi

Cairo Ain Shams Univ Fac Agr Bull 16(1):247-253

1969 24 C122

Carrots, Fungus diseases (plants), Oidium, Parsley, Plant diseases, Powdery mildew.

13772-69

EFFECT OF FUNGAL INFECTION TO TOMATO FRUITS ON SEED GERMINATION. I.-RHIZOPUS NIGRICANS.

A A El-Shehedi

Cairo Ain Shams Univ Fac Agr Bull 16(2):259-265

1969 24 C122

Fungus diseases (plants), Plant diseases, Plant physiology, Rhizopus nigricans, Seed germination, Tomatoes.

13773-69

VEINBANDING (POTATO VIRUS Y) ON TOBACCO IN EASTERN NORTH CAROLINA.

A S Elder T T Hebert G V Gooding

Plant Dis Rep 53(8):623-624

Aug 1969 1.9 P69P

Tobacco, Tomatoes, Vein banding, Virus diseases (plants), Virus Y, Weeds.

13774-69

EFFECT OF ROOT FUNGUS ON MINERAL NUTRITION OF THE PINE TREE. (RUS)

N I Fedorov S B Kochanovsky

Fiziol Rast 15(1):130-134 REF

Jan 1968 450 F58

Fungus diseases (plants), Mineralization (nutrients), Nutrient solutions (plants), Phosphorus, Pine needles, Pinus, Plant metabolism, Plant nutrition, Root rot. English summary

13775-69

PHYTOPHTHORA ROOT ROT OF ALFALFA IN THE UPPER MIDWEST.

F I Froese

Plant Dis Rep 53(8):595-597, REF

Aug 1969 1.9 P69P

Alfalfa, Fungus diseases (plants), Phytophthora megasperma, Root rot.

13776-69

SOME VIRUSES AFFECTING TOMATOES AND PEPPERS IN ARGENTINA. (SP)

O Gracia J M Feldman R E Pontis J Boninsegna

Rev Invest Agr Ser 5, Patol Veg 6(1):1-17 REF

1969 464.8 R322

Mosaic, Peppers, Tomatoes, Virus diseases (plants), Virus X, Virus Y. English abstract.

13777-69

BACTERIAL WILT IN MALAYA.

D A Griffiths W L Lim

Plant Dis Rep 53(8):597-600, REF

Aug 1969 1.9 P69P

Bacterial diseases (plants), Bacterial wilt, Peanuts, Pseudomonas solanacearum.

13778-69

DEVELOPMENT OF YOUNG PEAR TREES WITH DIFFERENT ROOTSTOCKS IN RELATION TO PSYLLA INFESTATION, PEAR DECLINE, AND LEAF CURL.

W H Griggs D D Jensen B T Iwakiri

Hilgardia 39(7):153-204 REF

May 1968 100 C12H

Cultural control (plant diseases), Insect vectors, Leaf curl, Pears, Plant physiology, Psylla, Rootstocks, Virus diseases (plants).

- 13779-69**
COMPARATIVE STUDY ON REDUCING SUGARS AND SUCROSE CONTENTS OF TWO TYPES OF COTTON AND SOME OF THEIR SYNTHESIZED STRAINS CONTAINING SOME BLACKARM RESISTANCE GENES.
H M Hassan
Cairo Ain Shams Univ Fac Agr Bull 16(2):273-286
1969 24 C122
Cotton, Fungus diseases (plants), Genes, Plant biochemistry, Plant genetics, Sucrose, *Xanthomonas malvacearum*.
- 13780-69**
RAPID INTENSIFICATION AND UPWARD SPREAD OF DWARF MISTLETOE IN INOCULATED DIGGER PINES.
F G Hawksworth
Plant Dis Rep 53(8):615-617
Aug 1969 1.9 P69P
Arceuthobium occidentale, Parasitic plants, *Pinus sabiniana*.
- 13781-69**
VARIETAL DIFFERENCES IN OAT BLUE DWARF VIRUS RESISTANCE AND SYMPTOM EXPRESSION.
A S Heagle M B Moore
Plant Dis Rep 53(8):664-666
Aug 1969 1.9 P69P
Blue dwarf, Crop varieties, Insect vectors, *Macrosteles fascifrons*, Oats, Plant disease resistance, Plant disease transmission, Plant injuries, Virus diseases (plants).
- 13782-69**
PROPHYLACTIC TREATMENT FOR RAISING A PEST AND DISEASE FREE CROP OF 'PAN' VINEYARDS.
G M Hingorani U Vir
Plant Protect Bull 18(3):24-26
1966 421 P69
Entomology, Grape vineyards, Insect pests, *Phytophthora parasitica*, Piper beetle, Plant diseases, Plant protection.
- 13783-69**
A TECHNIQUE FOR RAPID STANDARDIZATION OF CONIDIAL SUSPENSIONS OF *CERATOCYSTIS ULMI*.
W K Hock B R Roberts D E Wuertz
Plant Dis Rep 53(8):640-641
Aug 1969 1.9 P69P
Ceratocystis ulmi, Density, Light.
- 13784-69**
GRAPEVINE LEAFROLL VIRUS--HISTORY AND ANATOMIC EFFECTS.
L L Hoefert E M Gifford
Hilgardia 38(11):403-426 REF
Oct 1967 100 C12H
Environment, Grapes, History, Leaf roll, Plant histology, Plant nutrition, Plant physiology, Virology, Virus diseases (plants).
- 13785-69**
AN EARLY RECORD OF ERGOTISM IN CONNECTICUT.
J G Horsfall
Plant Dis Rep 53(8):615
Aug 1969 1.9 P69P
Ergotism, Human diseases.
- 13786-69**
PINUS SABINIANA AND PINUS MURICATA AS HOSTS FOR DIPLODIA PINEA IN CALIFORNIA.
R S Hunt
Plant Dis Rep 53(8):675-677, REF
Aug 1969 1.9 P69P
Arceuthobium campylopodum, Evaporation, Fungus diseases (plants), *Macrophoma pinea*, *Pinus muricata*, *Pinus sabiniana*, Plant ecology, Precipitation, Temperature.
- 13787-69**
SIGNIFICANT SPECIMENS OF ELSINOE AND SPHACELOMA TAKEN BY U. S. PLANT QUARANTINE INSPECTORS. II.
A E Jenkins A J Watson
Plant Dis Rep 53(8):672-675, REF
Aug 1969 1.9 P69P
Elsinoe, Fungus diseases (plants), Plant diseases, Plant quarantine, Sphaceloma.
- 13788-69**
BROWN ROT OF STONE FRUITS ON THE MURRUMBIDGE IRRIGATION AREAS. II. AETIOLOGY OF THE DISEASE IN TREVATT APRICOT TREES.
P F Kable
Australian J Agr Res 20(2):317-323 REF
Mar 1969 23 AU783
Apricots, Blossom blight, Brown rot, Fruit, Fungus diseases (plants), *Monilinia fructicola*, Peaches, Plant disease transmission.
- 13789-69**
BROWN ROT OF STONE FRUITS ON THE MURRUMBIDGE IRRIGATION AREAS. I. AETIOLOGY OF THE DISEASE IN CANNING PEACHES.
P F Kable
Australian J Agr Res 20(2):301-316 REF
Mar 1969 23 AU783
Brown rot, *Carpophilus hemipterus*, Fruit, Fungus diseases (plants), *Grapholitha molesta*, Larvae, *Monilinia fructicola*, Peaches, Plant injuries.
- 13790-69**
PHYSIOLOGICAL STUDIES ON PEAR CANKER DISEASE IN EGYPT AND ITS CONTROL.
M Kamel A A El-Aadawy
Cairo Ain Shams Univ Fac Agr Bull 16(1):263-281 REF
1969 24 C122
Bordeaux mixture, Canker, Chemical control (plant diseases), Copper, Pears, Plant nutritional deficiencies, Plant physiology, Soil analysis, Sulfates.
- 13791-69**
THE EFFECT OF SOME VITAMINS UPON BOTRYTIS ALLII MUNN.
M Kamel
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1969 24 C122
Botrytis allii, Fungi, Plant physiology, Spore germination, Vitamins.
- 13792-69**
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M Kamel
Cairo Ain Shams Univ Fac Agr Bull 16(1):293-313 REF
1969 24 C122
Botrytis allii, Fungus diseases (plants), Light, Onions, Plant physiology, Spore germination, Temperature, Water.
- 13793-69**
STUDIES ON BOTRYTIS ALLII MUNN.. THE CAUSE OF NECK ROT OF ONION BULBS IN U.A.R.. II. CULTURAL CONDITIONS IN RELATION TO MYCELIAL GROWTH AND PECTINASE ACTIVITY.
M Kamel
Cairo Ain Shams Univ Fac Agr Bull 16(1):315-334 REF
1969 24 C122
Botrytis allii, Carbon, Fungus diseases (plants), Hydrogen-ion concentration, Nitrogen, Onions, Pectinase, Plant enzymes, Plant physiology.
- 13794-69**
BEAN YELLOW MOSAIC VIRUS IN BULGARIA. (GE)
J C Kovachevsky
Phytopathol Z 61(1):41-48
Jan 1968 464.8 P562
Beans, Plant diseases, Virus diseases (plants), Yellow mosaic.
- 13795-69**
ANALYSIS OF ANNUAL EPIDEMIC OF FUNGUS PARASITES. I. THE ATTACK CURVE AND ITS RELATIONSHIP TO SOME ENVIRONMENTAL FACTORS. (GE)
J Kranz
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Environment, Fungi, Habitats, Parasites.
- 13796-69**
CONTROL OF THE BACTERIAL MAKD IN THE PLANE AND BANANA TREE CAUSED BY *PSUDOMONAS SOLANACEARUM*. (SP)
J C Lozano T H D Thurston G E Galvez E
Agr Trop 25(6):315-324 REF
Jun 1969 26 AG8
Bacterial diseases (plants), Bananas, *Pseudomonas solanacearum*, Sanitation control (pests), Trees.
- 13797-69**
ATTEMPTS TO INDUCE FROST-RESISTANCE IN VINES BY LEAF SPRAY OF DRUGS. (SP)
R C Marlangeon
Phyton (vicente Lopez) 24(2):87-92
Nov 1967 450 P567
Drugs, Frost, Grapes, Leaves, Plant hardiness, Plant injuries, Plant protection.
- 13798-69**
EFFECTS OF SPACING ARRANGEMENT AND ANTHRACNOSE ON *CASSIA OCCIDENTALIS* L..
J H Massey G Sowell
Agron J 61(5,SEP-OCT):749-750
Oct 1969 4 AM34P
Anthracnose, *Cassia occidentalis*, *Colletotrichum*, Crop yields, Seed treatment, Seed-borne plant diseases.
- 13799-69**
GROUNDNUT POD DISEASES.
D McDonald
Rev Appl Mycol 48(9):465-474 REF
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Fungus diseases (plants), Peanuts, Plant diseases, Seed-borne plant diseases, Soil microorganisms.
- 13800-69**
EVALUATION OF NINE FUNGICIDES IN CONTROLLING FLAG SMUT OF WHEAT.
P B Metcalfe J F Brown
Plant Dis Rep 53(8):631-633, REF
Aug 1969 1.9 P69P
Chemical control (plant diseases), Chlorinated hydrocarbons, Dusting, Flag smut, Fungicides, Fungus diseases (plants), Loose smut, Seed treatment, Soil sanitation, *Urocystis agropyri*.
- 13801-69**
THE TOXIC PRODUCTS OF FUNGI CAUSING MYCOTOXICOSIS. (POL)
C J Mirocha C M Christensen G M Nelson
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Bacterial diseases (plants), Catalogs, Fungus diseases (plants), Plant diseases, Sugarcane.
- 13803-69**
LIST OF PLANT DISEASES IN MAURITIUS.
L Orieux S Felix
Commonwealth Mycol Inst Phytopathol Pap (7), 48P., REF

CROP PROTECTION

13804-69

Jan 1968 464.9 C73

Bibliography, Plant diseases, Plant nematodes.

13804-69

REVIEW OF THE PLANT PATHOLOGY DEPARTMENT.

O S Peries

Rubber Res Inst Ceylon Quart J 43(PT 3-48SEP-DEC):89-109

1967 78.9 C33Q

Chemical control (plant diseases), Epidemiology, Fomes, Fungicides, Fungus diseases (plants), Gloeosporium, Oidium heveae, Phytophthora, Plant diseases, Rubber, Spraying equipment.

13805-69

YELLOW RUST OF WHEAT.

A G Prendergast

Dublin Foras Taluntais Plant Sci Crop Husb 90

1967 103 D852

Chemical control (plant diseases), Dithane, Fungicides, Fungus diseases (plants), Spraying, Wheat, Yellow rust.

13806-69

THE WORK OF A PLANT PATHOLOGIST.

I W Prentice

Great Brit Min Agr Fish Food Agr 76(1):1-4

Jan 1969 10 G79J

Agricultural regulation, Plant disease control, Plant diseases, Scientists.

13807-69

ON THE POSSIBLE CORRELATION BETWEEN THE FANLEAF VIRUS COMPLEX AND THE ENATION DISEASE OF GRAPEVINES.

E Refatti

*Riv Patol Veg (SER.4)*2(3):207-217 REF

Apr 1967 464.8 R52

Correlation, Environment, Fanleaf, Grapes, Injections, Plant grafting, Virus diseases (plants).

13808-69

INVESTIGATIONS ON THE INFLUENCE OF CROP ROTATION ON THE POPULATION DENSITY OF FREE-LIVING NEMATODES IN CONNECTION WITH POTATO CORKY RING-SPOT. II. OCCURRENCE OF THE VIRUS DISEASE. (GE)

V E Richter

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(2):65-72 REF

Feb 1968 464.8 Z3

Corky ringspot, Crop rotation, Plant nematodes, Population, Potatoes, Rattle disease, Tobacco, Virus diseases (plants). English summary

13809-69

MALE STERILITY CYTOPLASM CONDITIONING SUSCEPTIBILITY OF RESISTANT INBRED LINES OF MAIZE TO YELLOW LEAF BLIGHT CAUSED BY PHYLOSTICTA ZEAE.

G L Scheifele R R Nelson C Koons

Plant Dis Rep 53(8):656-659

Aug 1969 1.9 P69P

Corn, Crop varieties, Cytoplasm, Fungus diseases (plants), Leaf spot, Phylosticta zeae, Plant disease resistance, Plant reproduction, Sterility.

13810-69

GROWTH AND PRODUCTION OF AFLATOXINS BY ASPERGILLUS FLAVUS ON RED PEPPER (CAPSICUM FRUTESCENS L).

A F Schindler W V Eisenberg

Ass Offic Anal Chem J 51(4):911-912

Jul 1968 381 AS7

Aflatoxin, Aspergillus flavus, Bush redpeppers (vegetable), Culture media, Extracts, Fungus diseases (plants), Laboratories, Plant physiology.

13811-69

THE SIGNIFICANCE IN THE DIAGNOSIS OF VIRUS DISEASES OF THE LENGTH AND AFFINITY FOR DYES OF SIEVE TUBES IN HEALTHY AND VIRUS-INFECTED POTATO TUBERS. (GE)

G Schuster

Europe Potato J 11(4):235-248

Dec 1968 75.8 EU7

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Crop varieties, Dyes, Leaf roll, Plant physiology, Potatoes, Sieve tubes, Tubers, Virus diseases (plants), Virus Y. English and French summaries.

13812-69

EFFECTIVENESS OF AN EXTENDED AGRI-MYCIN-17 SPRAY SCHEDULE AGAINST FIREBLIGHT.

W H Shaffer R N Goodman

Plant Dis Rep 53(8):669-672

Aug 1969 1.9 P69P

Antibiotics, Apples, Bacterial diseases (plants), Biological assay, Chemical control (plant diseases), Erwinia amylovora, Fire blight, Rainfall, Spraying, Streptomycin, Temperature.

13813-69

EFFECTS OF APHID-TRANSMITTED VIRUSES ON THE STRAWBERRY CULTIVARS NORTHWEST AND COLUMBIA.

C H Shanks P C Crandall

Plant Dis Rep 53(8):639-640

Aug 1969 1.9 P69P

Chaetosiphon fragaefolii, Chemical control (insects), Crop varieties, Crop yields, Insect vectors, Insecticides, Organophosphorus compounds, Oxydemetonmethyl, Plant physiology, Strawberries, Virus diseases (plants).

13814-69

VIRUS DISEASES OF CEREALS.

J T Slykhuis

Rev Appl Mycol 46(8):401-429 REF

Aug 1967 450 R328

Biological transport, Dicotyledons, Grain, Mycology, Plant disease transmission, Seed-borne plant diseases, Soil-borne plant diseases, Virus diseases (plants).

13815-69

STEM PITTING OF YELLOW BUD MOSAIC VIRUS-INFECTED PEACHES.

S H Smith J A Traylor

Plant Dis Rep 53(8):666-667, REF

Aug 1969 1.9 P69P

Peaches, Plant injuries, Stem pitting, Virus diseases (plants), Yellow bud mosaic.

13816-69

STUDIES ON THE BROWN-EYE-SPOT DISEASE (CERCOSPORA COFFEICOLA B. AND CKE.) OF COFFEE (COFFEA ARABICA L.). IV. LONGEVITY AND VIABILITY STUDIES.

T S Sridhar S Subramanian

*Riv Patol Veg (SER.4)*2(3):147-149

Apr 1967 464.8 R52

Bidens pilosa, Castorbeans, Cercospora coffeicola, Chenopodium ambrosioides, Coffee, Fungus diseases (plants), Longevity, Microorganisms, Viability.

13817-69

STUDIES ON THE BROWN-EYE-SPOT DISEASE (CERCOSPORA COFFEICOLA B. AND CKE.) OF COFFEE (COFFEA ARABICA L.) III. MODE OF SURVIVAL OF THE PATHOGEN.

T S Sridhar S Subramanian

*Riv Patol Veg (SER.4)*2(3):141-146

Apr 1967 464.8 R52

Biochemistry, Cercospora coffeicola, Coffee, Fungus diseases (plants), Plant disease transmission, Soil-borne plant diseases, Weeds.

13818-69

STUDIES ON THE BROWN-EYE-SPOT DISEASE (CERCOSPORA COFFEICOLA B. AND CKE.) OF COFFEE (COFFEA ARABICA L.). II. EFFECT OF FOLIAR APPLICATION OF CHEMICALS ON DISEASE INCIDENCE.

S Subramanian T S Sridhar

*Riv Patol Veg (SER.4)*2(3):133-139 REF

Apr 1967 464.8 R52

Cercospora coffeicola, Chemical control (plant diseases), Coffee, Culture media, Foliar application, Fungus diseases (plants), Nucleic acids, Plant disease resistance, Plant regulators, Seedlings, Spraying.

13819-69

STUDIES ON THE BROWN-EYE-SPOT DISEASE (CERCOSPORA COFFEICOLA B. AND CKE.) OF COFFEE (COFFEA ARABICA L.) I. EMANATION OF ETHYLENE FROM INFECTED LEAVES.

S Subramanian T S Sridhar

*Riv Patol Veg (SER.4)*2(3):127-132

Apr 1967 464.8 R52

Abscission, Cercospora coffeicola, Coffee, Ethylene, Fungus diseases (plants), Leaves, Plant biochemistry, Research.

13820-69

THE INFLUENCE OF AN APPLICATION OF HERBICIDE ON ANTIBIOTIC-WORKING MICRO-ORGANISMS OF THE SOIL. (GE)

V A Teuteberg

Z Pflanzenkrankh (pflanzenpathol) Pflanzenschutz 75(2):72-86 REF

Feb 1968 464.8 Z3

Antibiotics, Apples, Bacillus mesentericus, Bacterial diseases (plants), Chemical control (plant diseases), Herbicides, Phytophthora caetorum, Soil microorganisms. English summary

13821-69

KERNEL RED STREAK OF DENT CORN.

J B Tunac C M Nagel

Plant Dis Rep 53(8):660-662

Aug 1969 1.9 P69P

Aceria tulipae, Corn, Insect vectors, Mites, Plant injuries, Streak mosaic, Virus diseases (plants).

13822-69

BUNCHY TOP DISEASE OF BANANAS IN THE CENTRAL HIGHLANDS OF SOUTH VIETNAM.

N G Vakili

Plant Dis Rep 53(8):634-638, MAP

Aug 1969 1.9 P69P

Bananas, Bunchy top, Canna, Insect pests, Insect vectors, Virus diseases (plants).

13823-69

THE EFFECT OF SHORT HEAT TREATMENT ON THE SUSCEPTIBILITY OF POPLAR LEAVES TO RUST INFECTION. (GE)

D Wagenbreth

Phytopathol Z 61(1):87-97 REF

Jan 1968 464.8 P562

Cultural control (plant diseases), Fungus diseases (plants), Heat treatment, Leaves, Plant diseases, Populus, Rust, Uredinales.

13824-69

A NEW LEAF SPOT OF CHINESE CHESTNUT IN MISSISSIPPI.

T Van Der Zwet W W Kilby

Plant Dis Rep 53(8):621-622

Aug 1969 1.9 P69P

Castanea mollissima, Fungus diseases (plants), Leaf spot, Monochaetia kansensis.

ARTHROPODS

13825-69

NEW DOUBLE-DUTY INSECTICIDE.

Anonymous

Farm J 93(5):39

May 1969 6 F2212C

Alfalfa, Carbamates, Carbofuran, Chemical control (insects), Corn, Diabrotica, Hypera postica, Insect pests, Insecticides, Nematocides, Plant nematodes, Systemic insecticides.

13826-69

ON SOME ALTERATIONS IN THE COMPOSITION OF WHEAT GRAIN DAMAGED BY WHEAT BUGS (EURYGASTER AND AELIA). (RUS)

El Atanassova V Popova

Rastenievud Nauk 5(6):81-87

1968 64.8 R18

Aelia, Catalase, Insect pests, Lipids, Pentatomidae, Plant biochemistry, Proteins, Wheat. English abstract.

13827-69

DETERMINATION OF THRIPS IN CROPS IN THE CENTRO-CHAQUENA AREA WITH SPECIAL REFERENCE TO COTTON. (SP)

J M Barral M V De Stacul

Rev Invest Agr Ser 5, Patol Veg 6(4):83-94 REF 1969 464.8 R322

Cotton, Insect identification, Thripidae. English abstract.

13828-69

FOOD PLANTS, BIONOMICS AND CONTROL OF FLEA BEETLES.

H N Batra

Indian Farming 19(3):38-40

Jun 1969 22 IN283

Benzene hexachloride, Bionomics, Chemical control (insects), Chlorinated hydrocarbons, Chrysomelidae, DDT, Insecticides, Surveys, Vegetables.

13829-69

OEDALEUS SENEGALENSIS KRAUSS (ORTHOPTERA: ACRIDIDAE SUB FAMILY OEDIPODINAE) PLAGUE IN RAJASTHAN.

D R Bhatia P J S Ahluwalia

Plant Protect Bull 18(3):8-12

1966 421 P69

Acrididae, Grasses, Insect behavior, Insect outbreaks, Insect pests, Oedaleus senegalensis, Pastures, Pearl millet, Tribulus.

13830-69

NATURAL ENEMIES OF THE DESERT LOCUST (SCHISTOCERCA GREGARIA).

D R Bhatia Charan Singh

Plant Protect Bull 18(2):14-17

1966 421 P69

Bacterial diseases (insects), Biological control (insects), Entomogenous fungi, Insect diseases, Insect pests, Nematodes, Plant protection, Schistocerca gregaria, Weather.

13831-69

CAMPAIGN AGAINST CITRUS PSYLLA IN KANGRA DISTRICT (HIMACHAL PRADESH).

G N Bhatia D D Srivastava

Plant Protect Bull 18(3):29

1966 421 P69

Chemical control (insects), Diaphorina citri, Insect pests, Insecticides, Mortality, Oranges, Orchidaceae, Plant protection, Psyllidae.

13832-69

SECTION II.--DISEASE CONTROL.

C N Clayton H R Garri G C Rock G T

Weekman C F Smith Et Al

N C Pesticide Manual 00(00):64-107

1969 79.8 N81

Apples, Chemical control (pests), Chemical control (plant diseases), Fungicides, Insect pests, Insecticides, Plant diseases, Spraying, Surveys.

13833-69

PHOTOCHEMICAL OXIDANT INJURY AND BARK BEETLE (COLEOPTERA: SCOLYTIDAE) INFESTATION OF PONDEROSA PINE. II. EFFECT OF INJURY UPON PHYSICAL PROPERTIES OF OLEORESIN, MOISTURE CONTENT, AND PHLOEM THICKNESS.

F W Cobb D L Wood R W Stark P R Miller

Hilgardia 39(6):127-134

May 1968 100 C12H

Dendroctonus ponderosae, Oleoresins, Phloem, Pinus ponderosa, Plant biochemistry, Plant injuries, Plant physiology, Plant water relations.

13834-69

PHOTOCHEMICAL OXIDANT INJURY AND BARK BEETLE (COLEOPTERA: SCOLYTIDAE) INFESTATION OF PONDEROSA PINE. IV. THEORY ON THE RELATIONSHIPS BETWEEN OXIDANT INJURY AND BARK BEETLE INFESTATION.

F W Cobb D L Wood R W Stark J R Parmeter

Hilgardia 39(6):141-152 REF

May 1968 100 C12H

Air pollution, Dendroctonus ponderosae, Insect outbreaks, Ozone, Pinus ponderosa, Plant injuries.

13835-69

PROTECTION OF POLYTHENE RAIN-GUARDS FROM DAMAGE BY CRICKETS IN RUBBER PLANTATIONS IN SOUTH INDIA.

P De Jong D K Dutt K S Shetty

Planters Chron 63(4):52-53

15 Feb 1968 22 P693

Benzene hexachloride, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Gryllidae, Hevea brasiliensis, Insect pests, Insecticides, Plantations, Polyethylene.

13836-69

DDT-DEHYDROCHLORINASE-I. PURIFICATION AND CHARACTERIZATION.

M L Dinamarca I Saavedra E Valdes

Compar Biochem Physiol 31(2):269-282 REF

15 Oct 1969 444.8 C73

Chemical analysis, Chlorinated hydrocarbons, Chromatography, Dehydrochlorinase, DDT, Insecticides, Musca domestica.

13837-69

BIOECOLOGY OF SAISSETIA OLEAE BERNARD AND ITS BIOLOGICAL CONTROL. (SP)

M F Garcia

Rev Invest Agr Ser 5, Patol Veg 6(3):69-81 REF

1969 464.8 R322

Biological control (insects), Coleoptera, Hymenoptera, Parasitic insects, Predaceous insects, Saissetia oleae. English abstract.

13838-69

SECTION IV.--AGRICULTURAL ENGINEERING.

J W Glover

N C Pesticide Manual 00(00):148-160

1969 79.8 N81

Dusting equipment, Maintenance, Nozzles, Spraying equipment.

13839-69

NATURAL ENEMIES OF THE CAROB MOTH ECTOMYELOIS CERATONIAE (ZELLER).

S Gothilf

Entomophaga 14(2):195-202 REF

1969 421 EN835

Acarina, Ectomyelois ceratoniae, Hymenoptera, Larvae, Parasitic insects, Pupae, Surveys.

13840-69

APPRECIATION OF THE EFFICACY OF CERTAIN GRANULATED INSECTICIDES IN THE CONTROL OF THE MAIZE PYRALID (OSTRINIA NUBILALIS HBN.) III. (SE)

D Hadzistevec

Agrohemijski 1-2:15-20

1968 385 AG87

Chemical control (insects), Corn, Insect pests, Insecticides, Ostrinia nubilalis, Pyralidae.

13841-69

FREE AMINO ACIDS AND SUGARS OF THE ADULT SUGAR CANE FROGHOPPER (AENEOLAMIA VARIA SACCHARINA) (HOMOPTERA: CERCOPIDAE) IN RELATION TO THOSE OF ITS HOST.

E A C Hagley

Entomol Exp Appl 12(2):235-239 REF

1969 421 EN895

Amino acids, Cercopidae, Chemical analysis, Chromatography, Sugarcane, Sugars.

13842-69

OBSERVATIONS ON THE EFFECT OF INSECTICIDES ON COLEOPTERAN PREDATORS OF ERIOSCHIA BRASSICAE (DIPTERA: ANTHOMYIIDAE).

S A Hassan

Entomol Exp Appl 12(2):157-168 REF

421 EN895

Carabidae, Chemical control (insects), Chlorfenvinphos, Diazinon, Erioschia brassicae, Insecticides, Organophosphorus compounds, Predaceous insects, Staphylinidae.

13843-69

ROLE OF QUARANTINE FOR THE PROPAGATION OF COCCIO-ATTACKING COCCINELLIDAE FOR THE CONTROL OF THE DATE-PALM SCALE (PARLATORIA BLANCHARDII TARG.) IN THE ADRAR REGION OF MAURITANIA. (FR)

G Ipert J Brun

Entomophaga 14(2):149-157

1969 421 EN835

Biological control (insects), Coccinellidae, Coccioidea, Insect rearing, Parlatoria blanchardii, Plant quarantine. English abstract.

13844-69

THE PEAR PHYLLOXERA APHANOSTIGMA PIRI CHOLOD. ET MOKRZ. (PHYLLOXERIDAE). (RUS)

D A Kolesova

Zool Zh 48(8):1166-1176 REF

Aug 1969 410 R92

Insect biology, Pears, Phylloxeridae, Reproduction.

13845-69

TRANSMISSION OF PEA LEAF ROLLING VIRUS BY APHIDS.

B A Kvicala M Musil

Biologia (bratislava) 22(1):10-16 REF

1967 442.8 B5265

Acyrtosiphon pisum, Aphididae, Aphis craccivora, Aphis fabae, Greenhouses, Insect vectors, Leaf roll, Myzus persicae, Peas, Plant disease transmission, Virus diseases (plants).

13846-69

RABBIT SURVEY IN WEST WALES (1961-67).

H G Lloyd K C Walton

Great Brit Min Agr Fish Food Agr 76(1):32-36

Jan 1969 10 G79J

Ecology, Epizootic diseases, Myxomatosis, Population, Rabbits, Rodents, Statistical distributions, Surveys, Wildlife pests.

13847-69

BIOLOGY AND CONTROL OF CITRUS PSYLLA DIAPHORINA CITRI KUW.

B S Mangat

Plant Protect Bull 18(3):18-20

1966 421 P69

Chemical control (insects), Citrus, Diaphorina citri, Insect biology, Insect histology, Insect pests, Insect physiology, Insecticides, Mortality, Psyllidae.

13848-69

PHOTOCHEMICAL OXIDANT INJURY AND BARK BEETLE (COLEOPTERA: SCOLYTIDAE) INFESTATION OF PONDEROSA PINE. III. EFFECT OF INJURY UPON OLEORESIN COMPOSITION, PHLOEM CARBOHYDRATES, AND PHLOEM PH.

P R Miller F W Cobb E Zavarin

Hilgardia 39(6):135-140

May 1968 100 C12H

Carbohydrates, Dendroctonus ponderosae, Hydrogen-ion concentration, Ozone, Phloem, Pinus ponderosa, Plant biochemistry, Plant injuries.

13849-69

TRAPS, MALE LURES, AND A WARNING SYSTEM FOR QUEENSLAND FRUIT FLY, DACUS TRYONI (FROGG.) (DIPTERA, TRYPETIDAE).

J Monro N L Richardson

Australian J Agr Res 20(2):325-338

Mar 1969 23 AU783

Attractants, Baits, Chemicals, Dacus tryoni, Dichlorvos, Fly traps, Fruit, Insect outbreak forecasting, Insect traps, Insecticides, Malathion, Organophosphorus compounds, Plant pest control, Weather, Wind.

CROP PROTECTION

13850-69

13850-69

THE CONTROL PROGRAM OF THE MEXICAN FRUIT FLY, ANASTREPHA LUDENS LOEW. (SP)

J S Parker

Fitofilo 59(21 JUL-SEP):12-14

Sep 1968 421 F55

Anastrepha ludens, Biological control (insects), Chemical control (insects), Fruit, Insect control.

13851-69

PHEROMONE RESPONSE IN PINE BARK BEETLES: INFLUENCE OF HOST VOLATILES.

G B Pitman

Science 166(3907):905-906

14 Nov 1969 470 SC12

Dendroctonus, Insect behavior, Pheromones, Pinus, Plant extracts.

13852-69

TRIALS WITH PESTICIDES AGAINST RED MITES-RAOLIELLA INDICA HIRST IN KERALA.

M K Ponnuswami

Plant Protect Bull 18(1):27-28

1966 421 P69

Betel nuts, Chemical control (insects), Insect pests, Palmae, Pesticides, Plant protection, Raoliella indica.

13853-69

1965 TURF INSECTS.

R Randell

Turfgrass Conf Proc 6:58-60

1965 SB433.14

Chemical control (insects), Grubs, Insect pests, Insecticides, Larvae, Plant injuries, Turf, Webworm.

13854-69

OBSERVATIONS ON LYGAEUS PANDURUS SCOPLI IN WEST RAJASTHAN.

C Singh

Plant Protect Bull 18(3):27-28

1966 421 P69

Calotropis procera, Colocynth, Crops, Food plants, Insect ecology, Insect pests, Leptadenia, Plants, Spilostethus pandurus.

13855-69

PROPHYLACTIC TREATMENT OF STORAGE RECEPTACLES FOR THE CONTROL OF PULSE BEETLE, PACHYMERUS CHINENSIS LINN.

H Singh

Plant Protect Bull 18(3):21-23

1966 421 P69

Breeding, Bruchidae, Callosobruchus chinensis, Chemical control (insects), Culture media, Insect pests, Insecticides, Mortality, Spraying, Storage.

13856-69

STUDIES ON PROTECTION OF PULSES AGAINST PACHYMERUS CHINENSIS LINNAEUS.

Harcharan Singh

Plant Protect Bull 18(1):25-26

1966 421 P69

Bruchidae, Callosobruchus chinensis, Insect pests, Legumes, Plant protection, Storage.

13857-69

TRIALS FOR THE CONTROL OF BRINJAL FRUIT AND SHOOT BORER.

S Singh M S Guram

Plant Protect Bull 18(3):13-16

1966 421 P69

Chemical control (insects), Chlorinated hydrocarbons, DDT, Dusting, Insect pests, Insecticides, Lepidoptera, Pyralidae, Spraying, Transplanting, Vegetables.

13858-69

DESERT LOCUST SITUATION AND CONTROL IN INDIA DURING 1962-63.

S Singh

Plant Protect Bull 18(2):1-3

1966 421 P69

BIBLIOGRAPHY

Crop losses, Insect control, Insect pests, Plant injuries, Plant protection, Schistocerca gregaria, Time.

13859-69

PHOTOCHEMICAL OXIDANT INJURY AND BARK BEETLE (COLEOPTERA: SCOLYTIDAE) INFESTATION OF PONDEROSA PINE. I. INCIDENCE OF BARK BEETLE INFESTATION IN INJURED TREES.

R W Stark P R Miller F W Cobb D L Wood J R Parmeter

Hilgardia 39(6):121-126

May 1968 100 C12H

Dendroctonus brevicornis, Dendroctonus ponderosae, Ozone, Pinus ponderosa, Plant injuries, Plant morphology, Surveys.

13860-69

ACERIA TULIPAE IN NORTH DAKOTA.

R G Timian E H Lloyd

Plant Dis Rep 53(8):623

Aug 1969 1.9 P69P

Aceria tulipae, Bromus inermis, Setaria viridis, Streak mosaic, Virus diseases (plants), Wheat.

13861-69

REACTION OF DENT CORN INBREDS AND HYBRIDS TO ACERIA TULIPAE AND WHEAT STREAK MOSAIC VIRUS.

J B Tunac C M Nagel

Plant Dis Rep 53(8):662-664

Aug 1969 1.9 P69P

Aceria tulipae, Corn, Crop varieties, Insect vectors, Mites, Plant injuries, Streak mosaic, Virus diseases (plants).

13862-69

CALIFORNIA FIGHTS DRAMATIC WAR AGAINST PINK BOLLWORM ON COTTON.

Union Carbide Agr Chem Dig 10(1):1-5

1968 381 UN3

California, Chemical control (insects), Cotton, Crop yields, Heliothis, Insect pests, Pectinophora gossypiella, Spraying.

13863-69

ALIESTERASE ACTIVITY AND REPRODUCTION IN MUSCA DOMESTICA: EFFECTS OF DDT AND METEPA.

T K Wan G H S Hooper

Entomol Exp Appl 12(2):221-228 REF

1969 421 EN895

Carboxylesterase, DDT, Insect biochemistry, Insect physiology, Insecticides, Metepa, Musca domestica, Reproduction.

NEMATODES

13864-69

CRICONEMOIDES GRASSATOR N. SP. FROM YELLOW POPLAR (LIRIODENDRON TULIPIFERA) IN WEST VIRGINIA.

R E Adams N A Lapp

Nematologica 13(1):63-66

1967 436.8 N342

Criconemoides, Liriodendron tulipifera, Plant nematodes, Taxonomy.

13865-69

INVESTIGATIONS ON THE OCCURRENCE AND BEHAVIOUR OF DITYLENCHUS DESTRUCTOR IN SWEDEN.

S Andersson

Nematologica 13(3):406-416 MAP REF

1967 436.8 N342

Ditylenchus destructor, Plant nematodes, Population, Potatoes, Stored products, Weeds, Zoogeography.

13866-69

POLYSTYRENE BEAKERS FOR EELWORM CULTURE.

O M Brooks

Nematologica 13(3):472

1967 436.8 N342

Heterodera rostochiensis, Laboratory equipment, Plant nematodes, Rearing, Styrene polymers.

13867-69

THE ASSOCIATION OF ROOT-LESION NEMATODES WITH REDUCED GROWTH OF TOBACCO IN THE NELSON DISTRICT.

T W Canter-Visscher

New Zeal J Agr Res 12(2):423-426

May 1969 23 N4892

Crop losses, Plant nematodes, Pratylenchus, Surveys, Tobacco.

13868-69

STUDY OF THE LIFE CYCLE OF APHELENCHOIDES COMPOSTICOLA. (FR

J C Cayroll

Nematologica 13(1):23-32

1967 436.8 N342

Aphelenchoides, Biology, Physiology, Reproductive organs, Temperature. English abstract.

13869-69

THE DEVELOPMENT AND LIFE HISTORY OF THE FALSE ROOT-KNOT NEMATODE, NACOBUS SERENDIPITICUS.

S A Clark

Nematologica 13(1):91-101 REF

1967 436.8 N342

Biology, Motion pictures, Nacobbus, Physiology, Plant nematodes, Tomatoes.

13870-69

THE MECHANISM OF ORIENTATION IN NEMATODES.

N A Croll

Nematologica 13(1):17-22

1967 436.8 N342

Locomotion, Nematodes, Panagrellus, Phototropism, Physiology.

13871-69

ACCLIMATIZATION IN THE ECCRITIC THERMAL RESPONSE OF DITYLENCHUS DIPSACI.

N A Croll

Nematologica 13(3):385-389

1967 436.8 N342

Ditylenchus dipsaci, Environmental effects, Nematodes, Plant nematodes, Temperature.

13872-69

A Y SHAPED THROUGH FOR USE IN NEMATODE BEHAVIOURAL STUDIES.

N A Croll

Nematologica 13(3):472

1967 436.8 N342

Behaviorism, Laboratory equipment, Panagrellus, Plant nematodes.

13873-69

INFLUENCE OF ENVIRONMENT ON DEVELOPMENT AND SEX DIFFERENTIATION OF ROOT-KNOT NEMATODES. II. EFFECT OF HOST NUTRITION.

R G Davide A C Triantaphyllou

Nematologica 13(1):111-117 REF

1967 436.8 N342

Environmental effects, Meloidogyne incognita, Nitrogen, Physiology, Plant nematodes, Plant nutrition, Potassium.

13874-69

INFLUENCE OF THE ENVIRONMENT ON DEVELOPMENT AND SEX DIFFERENTIATION OF ROOT-KNOT NEMATODES. I. EFFECT OF INFECTION DENSITY, AGE OF HOST PLANT AND SOIL TEMPERATURE.

R G Davide A C Triantaphyllou

Nematologica 13(1):102-110 REF

1967 436.8 N342

Aging, Environmental effects, Meloidogyne incognita, Meloidogynyc javanica, Physiology, Plant nematodes, Population, Sex, Soil temperature.

13875-69

SOME WEED HOSTS OF THE SOUTHERN ROOT-KNOT NEMATODE, MELOIDOGYNE INCOGNITA.

T R Davidson J L Townshend

Nematologica 13(3):452-458 REF

1967 436.8 N342

Meloidogyne incognita, Plant nematodes, Surveys, Weeds.

13876-69

PREPARATION OF FRESH FROZEN SECTIONS OF FREE-LIVING AND PLANT PARASITIC NEMATODES WITH A COLD MICROTOME.

K H Deubert B M Zuckerman

Nematologica 13(3):343-346

1967 436.8 N342

Histochemistry, Microtechnique, Microtomy, Plant nematodes.

13877-69

THE BEHAVIOUR OF SECOND-STAGE HETERODERA ROSTOCHIENSIS LARVAE LEADING TO THEIR EMERGENCE FROM THE EGG.

C C Doncaster A M Shepherd

Nematologica 13(3):476-478

1967 436.8 N342

Eggs, Heterodera rostochiensis, Larvae, Physiology, Plant nematodes.

13878-69

A METHOD FOR STUDYING THE INFLUENCE OF HYDROGEN ION CONCENTRATION ON THE AGGREGATION OF APHELENCHUS AVENAE.

J E Edmunds

Nematologica 13(1):174-175

1967 436.8 N342

Aphelenchus avenae, Hydrogen-ion concentration, Plant nematodes, Population.

13879-69

SUSCEPTIBILITY OF TWO CITRUS ROOT-STOCKS TO PRATYLENCHUS SPP.

J Feldmesser C I Hannon

Plant Dis Rep 53(8):603-607, REF

Aug 1969 1.9 P69P

Citrus, Lemons, Plant nematodes, Pratylenchus.

13880-69

PENETRATION AND FEEDING BY APHELENCHUS AVENAE.

J M Fisher A A F Evans

Nematologica 13(3):425-428 REF

1967 436.8 N342

Aphelenchus avenae, Feeding habits, Fungi, Penetration, Plant nematodes, Thanatephorus cucumeris.

13881-69

THE CITRUS NEMATODE, TYLENCHULUS SEMIPENETRANS. (SP)

C G Gottwald

Fitofilo 59(21 JUL-SEP):30-36

Sep 1968 421 F55

Biology, Citrus, Morphology, Plant nematodes, Tylenchulus semipenetrans.

13882-69

FREQUENCY OF NEW FEMALES (CYSTS) IN SINGLE-CYST CULTURES OF HETERODERA ROSTOCHIENSIS; THEIR RELEVANCE TO THE INHERITANCE OF ABILITY TO OVERCOME RESISTANCE AND TO THE FREQUENCY OF MATING.

F G W Jones

Nematologica 13(3):469-472

1967 436.8 N342

Cysts, Heterodera rostochiensis, Plant nematodes, Sex behavior, Sex ratios.

13883-69

CONTROL OF THE SUGARBEET NEMATODE, HETERODERA SCHACHTII, ON SUGARBEETS WITH ORGANOPHOSPHATE AND CARBAMATE NEMATOCIDES.

E C Jorgenson

Plant Dis Rep 53(8):625-628, REF

Aug 1969 1.9 P69P

Carbamates, Chemical control (nematodes), Heterodera schachtii, Nematocides, Organophosphorus compounds, Plant nematodes, Sugar beets.

13884-69

NOTES ON THE HOST RANGE, ECOLOGY AND POPULATION DYNAMICS OF PRATYLENCHUS BRACHYURUS.

H Koen

Nematologica 13(1):118-124

1967 436.8 N342

Corn, Ecology, Environmental effects, Plant nematodes, Population, Potatoes, Pratylenchus brachyurus.

13885-69

OCCURRENCE OF ENDOTOKIA MATRICIDA IN PARANGUINA AGROPYRI WITH A NOTE ON THE HIBERNATION OF THIS EELWORM.

E Krall

Nematologica 13(3):466

1967 436.8 N342

Agropyron repens, Hibernation, Plant nematodes, Tylenchidae.

13886-69

PLANT-PARASITIC NEMATODES OF JACK AND RED PINE STANDS IN WISCONSIN.

R G Krebill K R Barker R F Patton

Nematologica 13(1):33-42 REF

1967 436.8 N342

Pinus banksiana, Pinus resinosa, Plant nematodes, Trichodorus, Xiphinema americanum.

13887-69

PECTINASES IN DITYLENCHUS DIPSACI.

L R Krusberg

Nematologica 13(3):443-451 REF

1967 436.8 N342

Biochemistry, Ditylenchus dipsaci, Pectinase, Plant nematodes, Spectrophotometry.

13888-69

TISSUE CULTURE AND MAINTENANCE OF THE ROOT-LESION NEMATODE, PRATYLENCHUS VULNUS.

B F Lownsbery C S Huang R N Johnson

Nematologica 13(3):390-394

1967 436.8 N342

Plant nematodes, Pratylenchus vulnus, Rearing, Temperature, Tissue culture.

13889-69

INFLUENCE OF GROWING MARIGOLDS, WEEDS, TWO COVER CROPS AND FUMIGATION ON SUBSEQUENT POPULATIONS OF PARASITIC NEMATODES AND PLANT GROWTH.

P M Miller J F Ahrens

Plant Dis Rep 53(8):642-646, REF

Aug 1969 1.9 P69P

Buckwheat, Chemical control (nematodes), Cover crops, Ethylene dibromide, Ornamental plants, Plant nematodes, Pratylenchus penetrans, Rye, Soil fumigation, Tagetes patula, Tylenchorhynchus claytoni, Weeds.

13890-69

THE EFFECTS OF CHEMICAL TREATMENT ON TYLENCHULUS SEMIPENETRANS AND CITRUS TREE RESPONSE DURING 8 YEARS.

J H O'Brannon H W Reynolds

Nematologica 13(1):131-136

1967 436.8 N342

Chemical control (nematodes), Citrus, Dibromo-3-chloropropane, 1,2-, Nematocides, Plant nematodes, Tylenchulus semipenetrans.

13891-69

MONOXENIC CULTURING OF DOLICHODORUS HETEROCEPHALUS ON CORN ROOT CALLUS.

S M Paracer B M Zuckerman

Nematologica 13(3):478

1967 436.8 N342

Corn, Culture media, Dolichodorus heterocephalus, Methodology, Plant nematodes, Rearing.

13892-69

EFFECT OF TEMPERATURE ON THE RATE OF DEVELOPMENT OF NACOBBUS SERENDIPITICUS IN EXCISED TOMATO ROOTS.

S K Prasad J M Webster

Nematologica 13(1):85-90 REF

1967 436.8 N342

Nacobbus, Physiology, Plant galls, Plant nematodes, Roots, Temperature, Tomatoes.

13893-69

THE RELATIONSHIPS BETWEEN POPULATION INCREASE AND POPULATION DENSITY IN PLANT PARASITIC NEMATODES. III. DEFINITION OF THE TERMS HOST, HOST STATUS AND RESISTANCE. IV. THE INFLUENCE OF EXTERNAL CONDITIONS ON THE REGULATION OF POPULATION DENSITY.

J W Seinhorst

Nematologica 13(3):429-442

1967 436.8 N342

Density, Ditylenchus dipsaci, Environmental effects, Nematocides, Plant nematodes, Population, Pratylenchus, Rotylenchus, Sodium N-methyl-dithiocarbamate.

13894-69

THE RELATIONSHIPS BETWEEN POPULATION INCREASE AND POPULATION DENSITY IN PLANT PARASITIC NEMATODES. II. SEDENTARY NEMATODES.

J W Seinhorst

Nematologica 13(1):157-171

1967 436.8 N342

Density, Heterodera rostochiensis, Plant nematodes, Population, Statistical analysis.

13895-69

APHELENCHOIDES GOODEYI N. SP. (NEMATODA: APHELENCHOIDEA), A MYCOPHAGOUS NEMATODE FROM SOUTH INDIA.

M R Siddiqi M T Franklin

Nematologica 13(1):125-130

1967 436.8 N342

Aphelenchoides, Feeding habits, Fungi, Taxonomy.

13896-69

SOME BIOCHEMICAL CHANGES IN THE CONTENTS OF THE CYST OF HETERODERA ROSTOCHIENSIS DURING ITS MATURATION.

L Smith C Ellenby

Nematologica 13(3):395-405 REF

1967 436.8 N342

Biochemistry, Chromatography, Cysts, Electrophoresis, Enzymes, Heterodera rostochiensis, Physiology, Pigments, Plant nematodes.

13897-69

ADDITIONS TO HOST RECORDS OF MELOIDOGYNE SP., HELICOTYLENCHUS MULTICINCTUS AND ROTYLENCHULUS RENIFORMIS.

D Stoyanov

Nematologica 13(1):173

1967 436.8 N342

Helicotylenchus multicinctus, Meloidogyne, Plants, Rotylenchulus reniformis, Surveys.

13898-69

OBSERVATIONS ON THE BIOLOGY OF APHELENCHOIDES FRAGARIAE IN LORRAINE BEGONIA. (GE)

H Strumpf

Nematologica 13(1):67-72

1967 436.8 N342

Aphelenchoides, Biology, Europe, Histology, Plant nematodes. English abstract.

13899-69

A SIMPLIFIED METHOD FOR TESTING INFESTIVITY OF HETERODERA ROSTOCHIENSIS.

V Umbaerus G Videgard

Nematologica 13(3):473-474

1967 436.8 N342

Culture media, Heterodera rostochiensis, Infestation, Laboratory equipment, Methodology, Plant nematodes, Potatoes.

13900-69

13900-69

OBSERVATIONS ON PARASITIC PROTOZOA IN PLANT-PARASITIC AND FREE-LIVING NEMATODES.

J R Williams

Nematologica 13(3):336-342 REF

1967 436.8 N342

Mcloidogyne, Plant nematodes, Protozoa, Spores, Surveys, Xiphinema.

13901-69

NEW HOST PLANTS OF XIPHINEMA BASIRI AND X. INDICUM.

B S Yadav M K Varma

Nematologica 13(3):469

1967 436.8 N342

Plants, Surveys, Xiphinema basiri, Xiphinema indicum.

WEEDS

13902-69

THE EFFECT OF THE HERBICIDE ISOPROPYL-N-3-CHLOROPHENYL CARBAMATE (CIPC) ON THE HORSE BEAN PLANT. I.-THE EFFECT OF DIFFERENT CONCENTRATIONS OF CIPC ON THE HORSE BEAN PLANT SEEDED IN POTS AT DIFFERENT LEVELS.

M B Ahmed A M Zaher M K El-Din Fouad N O Monged

Cairo Ain Shams Univ Fac Agr Bull 16(2):191-205 REF

1969 24 C122

Broadbeans, Carbamates, Chloropropham, Herbicides, Plant physiology, Toxicology.

13903-69

WAYS TO KILL MORE WEEDS WHEN YOU PLANT.

Anonymous

Farm J West Ed 93(5):24-25

May 1969 6 F2212W

Chemical control (weeds), Dairy equipment, Farm management, Herbicides, Pesticide application, Planting, Spraying.

13904-69

WEED CONTROL IN SEED ALFALFA.

Anonymous

Aerial Appl 6(3):9

Mar 1968 333.8 AE8

Aerial spraying, Alfalfa, Chemical control (weeds), Pesticide application, Seeds, Weed control.

13905-69

APPLICATION OF THE HERBICIDE 2,4-D IN SUMMER WHEAT CROPS. RAKITIN, Y V MIKHAILOVA, T P. (RUS)

Fiziol Rast 15(1):171-176

Feb 1968 450 F58

Chemical control (weeds), Crop yields, D, 2,4-, Herbicides, Pesticide application, Phenoxy acid compounds, Rainfall, Seed planting, Tillage, Toxicology, Wheat. English summary

13906-69

THE EFFECT OF THE HERBICIDE ISOPROPYL-N-3-CHLOROPHENYL CARBAMATE (CIPC) ON THE HORSE BEAN PLANT. II.-THE EFFECT OF PRE- AND POST EMERGENCE TREATMENTS OF CIPC ON THE HORSE BEAN PLANT GROWN UNDER FIELD CONDITIONS.

M K El-Din Fouad M B Ahmed A M Zaher N O Monged

Cairo Ain Shams Univ Fac Agr Bull 16(2):207-221 REF

1969 24 C122

Broadbeans, Chlorinated hydrocarbons, Chloropropham, Herbicides, Plant physiology, Toxicology.

13907-69

THE EFFECT OF THE HERBICIDE ISOPROPYL-N-3-CHLOROPHENYL CARBAMATE (CIPC) ON THE HORSE BEAN PLANT. III.-HISTOLOGICAL EFFECT OF CIPC ON THE HORSE BEAN PLANT.

M K El-Din Fouad A M Zaher M B Ahmed
Cairo Ain Shams Univ Fac Agr Bull 16(2):223-248

1969 24 C122

Broadbeans, Carbamates, Chloropropham, Herbicides, Plant histology, Toxicology.

13908-69

CARTHAMUS OXYACANTHA, A NEW HOST OF MACROPHOMINA PHASEOLI.

A Ghaffar

Pakistan J Forest 18(4):542

Oct 1968 99.8 P17

Carthamus oxycantha, Cotton, Fungus diseases (plants), Macrophomina phaseoli, Root rot, Soil fungi, Weeds, Wheat.

13909-69

BIOLOGICAL CONTROL OF PRICKLY PEAR CACTI ON SANTA CRUZ ISLAND, CALIFORNIA.

R D Goeden C A Fleschner D W Ricker

Hilgardia 38(16):579-606 MAP REF

Nov 1967 100 C12H

Biological control (pests), Coreidae, Dactylopiidae, Insect biology, Opuntia, Phycitidae, Plant geography.

13910-69

INFLUENCE OF HERBICIDES ON PLANT GROWTH AND AGRONOMIC CHARACTERISTICS OF SOYBEAN VARIETIES.

B J Johnson

Agron J 61(5,SEP-OCT):791-793

Oct 1969 4 AM34P

Crop yields, Herbicides, Plant physiology, Seed analysis, Soybeans.

13911-69

POSSIBILITIES FOR GROWING OF CHICKPEA AS A SOLID PLANTED CROP BY USE OF HERBICIDES. (RUS)

G Koinov

Rasteniyeud Nauk 5(6):73-80 REF

1968 64.8 R18

Chemical control (weeds), Chickpeas, Crop yields, Herbicides, Prometryne, Simazine, Weed control. English abstract.

13912-69

SECTION III.-WEED CONTROL.

W M Lewis A B Rogerson W A Skroch

N C Pesticide Manual 00(00):108-147

1969 79.8 N81

Accident prevention, Chemical control (weeds), Herbicide residues, Herbicides, Surveys, Toxicology, Weed control.

13913-69

NEW HERBICIDES FOR CONTROL OF WEEDS IN SORGHUM. (RUS)

Ya Lyubenov

Rasteniyeud Nauk 5(6):99-109

1968 64.8 R18

Bromophenyl-1-methoxy-1-methylurea, 3-(p-, Chemical control (weeds), Chlorinated hydrocarbons, D, 2,4-, Herbicides, Sorghum. English abstract.

13914-69

WEED CONTROL IN CUCURBITS.

W L Ogle

S C Agr Exp Sta Agr Res 15(1-2):13,19

1968 100 S085O

Benefin, Bensulide, Cantaloupes, Chemical control (weeds), Chlorinated hydrocarbons, Cucumbers, Cucurbits, Herbicides, Methylsulfonyl-2,6-dinitro-N,N-dipropylaniline, 4-(, Trifluralin, Watermelons.

13915-69

BUSHES IN NATURAL GRASSLANDS CAN BE CONTROLLED.

R K Pandey M Singh

Indian Farming 19(3):15-16

Jun 1969 22 IN283

Chemical control (weeds), Herbicides, Pastures, T, 2,4,5-, Weeds.

13916-69

WEED CONTROL PRINCIPLES-2.

J E Rawson

Queensland Agr J 94(11):671-677

Nov 1968 23 Q33

Accident prevention, Biological control (weeds), Chemical control (weeds), Cultural control (weeds), Herbicide residues, Herbicides, Spraying.

13917-69

USE OF MINIMUM TILLAGE AND HERBICIDE FOR ESTABLISHING LEGUMES IN KENTUCKY BLUEGRASS (POA PRATENSIS L.) SWARDS.

T H Taylor E M Smith W C Templeton

Agron J 61(5,SEP-OCT):761-766 REF

Oct 1969 4 AM34P

Alfalfa, Chemical control (weeds), Paraquat, Poa pratensis, Weed control, White clover.

13918-69

CONTROL OF SCOTCH GRASS (AGROPYRON REPENS) IN SUGAR BEET.

T M Thomas

Dublin Foras Taluntais Plant Sci Crop Husb 29

1967 103 D852

Agropyron repens, Chemical control (weeds), Crop varieties, Dosage, Herbicides, Phytotoxicity, Sodium trichloroacetate, Sugar beets.

13919-69

WEED CONTROL IN POTATOES.

T M Thomas

Dublin Foras Taluntais Plant Sci Crop Husb 29-30

1967 103 D852

Ametyne, Bromo-3-chlorophenyl-N'-methoxy-N'-methylurea, N-(4-, Bromophenyl)-1-methoxy-1-methylurea, 3-(p-, Chemical control (weeds), Crop varieties, Crop yields, Dosage, Herbicides, Potatoes.

13920-69

CHEMICAL CONTROL OF GRASS WEEDS IN TEA FIELDS.

K S Venkataramani

Planters Chron 63(4):54

15 Feb 1968 22 P693

Chemical control (weeds), Dalapon, Grasses, Herbicides, Plant translocation, Spraying, Tea.

13921-69

TRANSLOCATION OF EIGHT C14-LABELED AMINO ACIDS AND THREE HERBICIDES IN TWO VARIETIES OF BARLEY.

S Yamaguchi A S Islam

Hilgardia 38(5):207-229

Apr 1967 100 C12H

Amino acids, Amitrole, Autoradiography, Barley, Chromatography, D, 2,4-, Herbicides, Monuron, Plant biochemistry, Plant translocation, Radioactive tracers.

OTHER PESTS

13922-69

TETRAHYMENID CILIATES AS PARASITES OF THE GRAY GARDEN SLUG.

W M Brooks

Hilgardia 39(8):205-276 REF

Jun 1968 100 C12H

Biological control (pests), Ciliates, Deroceras reticulatum, Histology, Parasitism, Rearing, Tetrahymena.

13923-69

RAT-CONTROL PROCEDURES ON THE PACIFIC ISLANDS, WITH SPECIAL REFERENCE TO THE EFFICIENCY OF BIOLOGICAL CONTROL AGENTS. I. APPRAISAL OF THE MONITOR LIZARD, *VARANUS INDICUS* (DAUDIN), AS A RAT-CONTROL AGENT ON IFALUK, WESTERN CAROLINE ISLANDS.

T A Uchida

Kyushu Univ Fac Agr J 15(3):311-330 MAP REF
Jul 1969 107.6 K995

Biological control (pests), Culicidae, Filariasis, Lizards, Rats.

LIVESTOCK PROTECTION

13924-69

THE ACTION OF 4-HYDROXY-17-ALPHA-METHYL-TESTOSTERONE ON THE METABOLISM OF BROILERS. (IT)

F M Arnaiz

Veterinaria (milano) 17(2,MAR-APR):75-96 REF
1968 41.8 V6499

Animal nutrition, Chicken types (meat), Feed additives, Hydroxy-17-alpha-methyltestosterone, 4-, Metabolism, Steroids. English and French summaries.

13925-69

CHEMICAL VEGETATION CONTROL MANUAL FOR FISH AND WILDLIFE MANAGEMENT PROGRAMS.

T E DeVaney

42 P. WASHINGTON, D. C., GOVT. PRINT. OFF.

Jan 1968 SB951.D4

Chemical control (weeds), Chemicals, Fish, Herbicides, Wildlife management.

13926-69

INVESTIGATION ON THE INCIDENCE OF SALMONELLA IN WILD BIRDS.

G P Faddoul G W Fellows J Baird

Clin Vet 90(4):270

Apr 1968 41.8 C61

Bacteriology, Birds, Salmonella pullorum, Salmonella typhimurium, Wildlife diseases.

13927-69

THIEVES IN THE POULTRY HOUSE.

W A Kollner

Queensland Agr J 94(11):681-685

Nov 1968 23 Q33

Animal vectors, Baits, Chemical control (pests), Norbormide, Poultry diseases, Poultry houses, Rats, Rodent control, Rodenticides, Salmonella, Warfarin.

13928-69

SENSITIVITY OF THE SPLENECTOMIZED HAMSTER TO TRYPANOSOMA EQUINUM. (SP)

H F Mayer

Veterinaria (corrientes) 1(3):75-81

1965 41.8 V6465

Hamsters, Hypodermic injections, Spleen, Trypanosoma equinum. English and French summaries.

13929-69

CHEMICAL MUTAGENESIS IN HIGHER ANIMALS. (JA)

Y Nakao I Machida E Yamaguchi E Inagaki

Gamma Field Symp 5:39-52 REF

1966 442.9 H79

Animals, Breeding, Chemicals, Chromosomes, Deoxyribonucleic acid, Mutation. Japanese summary

13930-69

ANAPLASMOSIS IN EAST-FRIESIAN LAMBS.

A Shimshoni

Refuah Vet 24(4):213-208 REF

Dec 1967 41.8 R25

Anaplasma centrale, Anaplasma marginale, Anaplasmosis, Animal diseases, Erythrocytes, Lambs, Livestock diseases, Protozoa, Serological tests, Veterinary medicine.

DISEASES

13931-69

OBSERVATIONS ON THE OCCURRENCE OF NEOPLASMS IN THE DOMESTIC BIRDS.

S M Ajinkya P D Sardeshpande

Indian Vet J 46(5):380-385 REF

May 1969 41.8 IN2

Animal histology, Birds, Epithelial tumors, Leukosis, Neoplasms, Poultry diseases.

13932-69

OBSERVATIONS ON BOVINE URETHRAL CALCULOSIS.

J V Anjaria

Indian Vet J 46(5):449-453

May 1969 41.8 IN2

Animal nutrition, Calcium, Calculi, Cattle, Human diseases, Livestock diseases, Urethra, Urine, Urogenital system, Veterinary medicine.

13933-69

MUSCULAR DYSTROPHY IN THE HORSE.

J R Baker

Vet Rec 84(19):488-490

10 May 1969 41.8 V641

Animal histology, Autopsies, Edema, Heart, Horses, Livestock diseases, Muscles, Muscular dystrophy.

13934-69

PREVENTION OF ABORTIONS IN DAIRY CATTLE DUE TO A PSITTACOSIS-LYMPHOGRANULOMA VENEREUM (BEDSONIA) AGENT BY TREATMENT WITH TETRACYCLINE (A FIELD TRIAL).

U Bargai

Refuah Vet 24(4):216-214

Dec 1967 41.8 R25

Abortion, Dairy cattle, Epizootic diseases, Livestock diseases, Miyagawanella group viruses, Pregnancy, Tetracycline, Therapeutics.

13935-69

NEW HOPE IN THE BATTLE AGAINST CALF SCOURS.

O Bay

Farm J West Ed 93(5):26

May 1969 6 F2212W

Antibiotics, Calves, Cattle, Livestock diseases, Scours, Vaccines, Virus diseases (animals).

13936-69

SIGNIFICANCE OF THE ASEQUAL STAGES IN ASSESSING EIMERIAN INFECTIONS OF GOATS.

B B Bhatia B P Pande

Indian Vet J 46(5):399-403 REF

May 1969 41.8 IN2

Animal histology, Coccidiosis, Eimeria arloingi, Goats, Intestines, Livestock diseases, Parasitism, Physiology, Protozoa.

13937-69

OSTEOSARCOMA IN THE DOG. (SP)

R Bordet J Coulon J Sevestre

Rev Med Vet (buenos Aires) 48(6):551-559

1967 41.8 B86

Animal abnormalities, Animal diseases, Bones, Dogs, Neoplasms, Osteosarcoma.

13938-69

DERMAPHOS A PHOSPHORO-ORGANIC PREPARATION IN THE TREATMENT OF THE SKIN MYCOSIS IN COWS AND HORSES. (POL)

L Buchhalski

Med Wet 24(3):149

Mar 1968 41.8 M463

Biochemistry, Cattle, Drug therapy, Fungicides, Horses, Livestock diseases, Mycosis, Organophosphorus compounds, Skin diseases.

13939-69

UMBILICAL INFECTIONS IN FETAL CALVES. (IT)

R Cheli

Clin Vet 91(6):173-184 REF

Jun 1968 41.8 C61

Anatomy, Calves, Fetal membranes, Fetus, Livestock diseases, Umbilical cord. English summary

13940-69

THE INVESTIGATION ON THE EFFECTIVENESS OF COPPER SULPHATE (CUSO4) IN THE TREATMENT OF ASPERGILLOSIS IN DUCKLINGS. (POL)

K Ciszewski

Med Wet 24(3):150-151 REF

Mar 1968 41.8 M463

Aspergillosis, Copper sulfate, Drug therapy, Ducklings, Fungi, Fungicides, Mycosis, Wildlife diseases.

13941-69

FARM BUILDINGS AND THE BRUCELLOSIS (ACCREDITED HERD) SCHEME.

R S Clark

Great Brit Min Agr Fish Food Agr 76(1):39-41

Jan 1969 10 G79J

Brucellosis, Cattle, Farm management, Infectious diseases, Livestock diseases, Veterinary medicine.

13942-69

RABIES IN BATS IN THE SOUTH-EASTERN UNITED STATES. (SP)

D G Constantine

Rev Vet Venezolana 25(139):106

Feb 1968 41.8 R3226

Bats, Biological transport, Mortality, Rabies virus, Virus diseases (animals).

13943-69

PSEUDOMONAS AERUGINOSA CONTAMINATION OF A WARM WATER SYSTEM USED FOR PRE-MILKING UDDER WASHING.

P E Curtis

Vet Rec 84(19):476-477

10 May 1969 41.8 V641

Dairy cattle, Food contamination, Hygiene, Infectious diseases, Livestock diseases, Mastitis, Milk, Milking, Pseudomonas aeruginosa, Sterilization, Temperature, Udders, Water treatment.

13944-69

COMPARATIVE CONSIDERATION OF THE MORPHOLOGY AND GENESIS OF NEW GROWTHS. (GE)

E Dahme

Deut Vet Ges Ber 7:15-22 REF

08 Apr 1967 41.9 D482

Animal physiology, Cancer, Cells, Leukosis, Lymphosarcoma, Metabolism, Morphology, Neoplasms, Virus diseases (animals). English summary.

13945-69

PLEURAL HAEMANGIOMA AS A CAUSE OF TRANSIENT ASCITES IN THE DOG.

M G Dear

Vet Rec 84(19):478-480 REF

10 May 1969 41.8 V641

Animal diseases, Ascites, Blood chemistry, Dogs, Hemangiomas, Hematology, Hemorrhage, Lungs, Neoplasms, Radiography, Respiratory system, Veterinary medicine.

13946-69

UNDIFFERENTIATED, SEROUS, PAPILLARY, OVARIAN CYSTADENOCARCINOMA IN A BITCH. CLINICAL AND THERAPEUTIC ASPECTS. (IT)

M Fedrigo

Veterinaria (milano) 17(1):22-30 REF

Jan 1968 41.8 V6499

Ascites, Carcinoma, Cystadenoma, Dogs, Edema, Neoplasms, Ovaries, Serum, Veterinary medicine. English and French summaries

13947-69

13947-69

RECENT KNOWLEDGE OF AVIAN OSTEOPELOSIS GALLINARUM (MARBLE BONE, THICK LEG DISEASE). (GE)

K Fritzsche H Bahnemann
Deut Vet Ges Ber 7:87-94 REF
08 Apr 1967 41.9 D482

Avian lymphomatosis, Chicks, Immunization, Poultry diseases, Serum, Viremia, Virus diseases (animals). English summary

13948-69

MALIGNANT TRANSFORMATION OF HAMSTER CELLS BY CELL-FREE EXTRACTS OF BOVINE PAPILLOMAS (IN VITRO).

A Gerald
Nature 222(5200):1283-1284
28 Jun 1969 472 N21

Bovine papilloma virus, Cells, Culture media, Dna viruses, Hamsters, Laboratory animals, Neoplasms, Virology, Virus diseases (animals).

13949-69

PARASITIC ZONOSSES OF THE FOOD ANIMALS.

T E Gibson
Vet Rec 84(18):448-453 REF
03 May 1969 41.8 V641

Animal vectors, Cysticercus bovis, Dogs, Echinococcosis, Feed, Human diseases, Swine, Trichinella spiralis, Trichinosis, Zoonoses.

13950-69

PRELIMINARY ENQUIRY ON THE FREQUENCY OF NEUTRALIZING ANTIBODIES OF MUCOUS DISEASE VIRUS IN BOVINE SERUM FROM SOME FRENCH DEPARTMENTS. (FR)

Y Gilbert
Acad Vet France Bull 40(3):125-129
Mar 1967 41.9 R24

Antibodies, Cattle, Livestock diseases, Mucosal disease, Serum, Virus diseases (animals).

13951-69

A COMPARATIVE STUDY ON THE PATHOLOGICAL PICTURE OF TRANSMISSIBLE GASTRO-ENTERITIS (TGE) AND E. COLI GASTROENTERITIS IN NEWBORN PIGLETS WITH SPECIAL REFERENCE TO THE GASTRO-INTESTINAL TRACT.

F Gilka
Acta Vet (budapest) 18(1):39-50 REF
1968 41.8 AC83

Anatomy, Cells, Escherichia coli, Gastroenteritis, Gastrointestinal system, Inflammation, Microscopy, Swine, Transmissible gastroenteritis.

13952-69

EFFECT OF STARVATION ON THE CELLULOLYTIC ACTIVITY OF SHEEP AND GOAT RUMEN INOCULUM AND IN-VITRO COMPARISON OF POTENCY OF RUMEN LIQUOR SAMPLES FROM FISTULATED AND NORMAL ANIMALS.

D N Gupta A Roy
Indian Vet J 46(5):429-434 REF
May 1969 41.8 IN2

Cellulolytic enzymes, Goats, Inoculum, Livestock diseases, Metabolism, Rumen fistula, Ruminants, Sheep, Starvation.

13953-69

IMMUNITY TO TUMORS. (GE)

D Hammek
Deut Vet Ges Ber 7:51-55
08 Apr 1967 41.9 D482

Antibodies, Antigens, Cells, Immunity, Neoplasms, Viruses. English summary

13954-69

THE ISOLATION OF FOOT-AND-MOUTH DISEASE VIRUS FROM AFRICAN BUFFALO (SYNCERUS CAFFER).

R S Hedger J B Condy J Falcoher
Vet Rec 84(20):516-517
17 May 1969 41.8 V641

Antibodies, Buffaloes, Foot-and-mouth disease virus, Livestock, Serum, Wildlife.

13955-69

MAGNESIUM ALLOY BULLETS FOR SUCKLING CALVES.

R G Hemingway N S Ritchie
Vet Rec 84(18):465-467
03 May 1969 41.8 V641

Calves, Cattle, Deficiency diseases, Hypomagnesemia, Magnesium alloys, Tetany.

13956-69

INFERTILITY IN COPPER-DEFICIENT GUINEA-PIGS.

J M Howell
Vet Rec 84(20):517-518
17 May 1969 41.8 V641

Abortion, Copper, Deficiency diseases, Fertility, Guinea pigs, Reproduction.

13957-69

BOVINE DIARRHEA VIRUS. II. END PHENOMENON: EXALTATION OF NEWCASTLE DISEASE VIRUS IN BOVINE CELLS INFECTED WITH BOVINE DIARRHEA VIRUS.

Y Inaba Y Tanaka T Kumagai T Omori H Ito M Matumoto
Jap J Microbiol 12(1):35-49
Mar 1968 448.8 J273

Biological assay, Bovine virus diarrhea virus, Cattle, Diarrhea, Livestock diseases, Myxoviruses, Newcastle disease virus, Tissue culture, Virus diseases (animals).

13958-69

REPORT ON FIVE OVINE NEOPLASMS.

C K James R Rao G A Sastry
Ceylon Vet J 15(4):138-139
Dec 1968 41.8 C33

Animal anatomy, Fibrosarcoma, Livestock diseases, Neoplasms, Papilloma, Sheep, Squamous cell sarcoma.

13959-69

BEHAVIOR OF BRUCELLA ABORTUS IN PHAGOCYTES. (FR)

L M Joubert L R Valette
Acad Vet France Bull 40(3):111-124 REF
Mar 1967 41.9 R24

Brucella abortus, Immunology, Infectious diseases, Phagocytes.

13960-69

INVESTIGATIONS ON THE ROLE OF FLIES IN THE PASSIVE TRANSMISSION OF EXPERIMENTAL MYCOSIS IN GUINEA PIGS. (POL)

F Kamyszek
Med Wet 24(3):146-148 REF
Mar 1968 41.8 M463

Animal diseases, Culture media, Diptera, Fungi, Guinea pigs, Insect vectors, Mycosis. Russian, French, English, and German summaries

13961-69

RHABDOMYOMA IN PIGS. (GE)

A Kast T Hanichen
Deut Vet Ges Ber 7:140-150 REF
08 Apr 1967 41.9 D482

Atherosclerosis, Heart, Livestock diseases, Muscles, Neoplasms, Rhabdomyoma, Swine. English summary

Abstract: One case of rhabdomyoma in pig was accompanied by leukosis and the tumor tissue was infiltrated with lymphoblasts.

13962-69

CHARACTERISTICS IN TISSUE CULTURE OF INFECTIOUS CANINE HEPATITIS VIRUS-INDUCED HAMSTER TUMOR CELLS.

T Kinjo R Yanagawa T Nishi
Jap J Vet Res 16(4):183-194
Dec 1968 41.8 V6446

Antigens, Biochemistry, Calcium chloride, Electron microscopy, Hamsters, Infectious canine hepatitis virus, Neoplasms, Oncogenic viruses, Tissue culture.

13963-69

ONCOGENICITY OF INFECTIOUS CANINE HEPATITIS VIRUS IN HAMSTERS.

T Kinjo R Yanagawa Y Fujimoto

Jap J Vet Res 16(4):145-158 REF
Dec 1968 41.8 V6446

Antigens, Hamsters, Infectious canine hepatitis virus, Neoplasms, Oncogenic viruses, Tissue culture, Virus diseases (animals).

13964-69

ANTIGENIC RELATIONSHIP AMONG STRAINS OF INFECTIOUS CANINE HEPATITIS VIRUS.

T Kinjo R Yanagawa
Jap J Vet Res 16(4):128-136 REF
Dec 1968 41.8 V6446

Antigens, Guinea pigs, Immunization, Infectious canine hepatitis virus, Serological tests, Tissue culture, Virology, Virus diseases (animals).

13965-69

A CASE OF TOXOPLASMOSIS IN A DOG.

U Klopfer T A Nobel
Refuah Vet 24(4):229-228 REF
Dec 1967 41.8 R25

Animal diseases, Animal histology, Bladder, Dogs, Liver, Lungs, Pathology, Toxoplasma gondii, Toxoplasmosis, Urogenital system.

13966-69

THE INVESTIGATION ON THE SUSCEPTIBILITY OF E. COLI STRAINS ISOLATED FROM THE AREAL CASES OF CALF COLIBACTERIOSIS TO ANTIBIOTICS AND NITROFURAN PREPARATIONS. II. THE SUSCEPTIBILITY TO NITROFURAN PREPARATIONS IN VITRO. (POL)

M Kondracki
Med Wet 24(3):169-170 REF
Mar 1968 41.8 M463

Antibiotics, Bacteriology, Biochemistry, Calves, Cattle, Colibacillosis, Escherichia coli, Immunity, Infectious diseases, Livestock diseases, Nitrofurans. Russian and French summaries

13967-69

THE SCIENTIFIC BASIS FOR THE CONTROL OF BOVINE LEUCOSIS. (GE)

G Kosenberger
Deut Vet Ges Ber 7:193-199 REF
08 Apr 1967 41.9 D482

Animal physiology, Blood, Cattle, Infectious diseases, Leukemia, Livestock diseases, Lymphocytosis, Neoplastic diseases. English summary

13968-69

A NOTE ON SUCCESSFUL TREATMENT OF AN UNUSUAL EQUINE RINGWORM DUE TO TRICHOPHYTON TONSURANS VAR. SULFUREUM.

M P Kulkarni P G Chaudhari
Indian Vet J 46(5):444-446
May 1969 41.8 IN2

Animal diseases, Fungi, Horses, Human diseases, Mycosis, Ointments, Ringworm, Trichophyton tonsurans, Veterinary medicine.

13969-69

STUDY OF THE GENITAL PATHOLOGY OF CATTLE (FEMALE) KILLED IN THE SLAUGHTER HOUSES OF THE CENTER OF THE COUNTRY. (SP)

G Lago De Serrano
Rev Vet Venezolana 23(137):369-375
31 Dec 1967 41.8 R3226

Cattle, Livestock diseases, Reproductive organs, Slaughterhouses.

13970-69

REPLICATION OF VACCINIA VIRUS IN THE EMBRYONATED EGG IN THE PRESENCE OF METHISAZONE. AN ELECTRON MICROSCOPE STUDY.

B Lovas I Hollos
Acta Microbiol 16(1):47-62
1969 448.3 AC84

Embryos, Tissue culture, Vaccinia virus, Virology.

13971-69

LIPIDIC ACID REQUIREMENT OF MYCOPLASMA SPECIES AVIAN STRAIN J.

- P G Lund M S Shorb
J Bacteriol 94(1):279-280
Jul 1967 448.3 J82
Lipoic acid, Metabolism, Mycoplasma, Nutrition, Poultry diseases.
- 13972-69**
TUMORS IN BIRDS. III. CARCINOMA. (SP)
E S Menchaca A N Fauquier J Frattini
Rev Med Vet (buenos Aires) 48(6):499-502 REF
1967 41.8 B86
Animal abnormalities, Animal diseases, Birds, Carcinoma, Histology, Neoplasms.
- 13973-69**
GENETIC RESISTANCE OF CHICKENS TO LEUCOSIS. (GE)
G Monreal
Deut Vet Ges Ber 7:106-110 REF
08 Apr 1967 41.9 D482
Animal genetics, Antigens, Chickens, Immunity, Leukosis, Neoplastic diseases, Poultry diseases, Virus diseases (animals). English summary
- 13974-69**
THE TUMOR PROBLEM FROM THE POINT OF VIEW OF THE VIROLOGIST. (GE)
M Mussgay
Deut Vet Ges Ber 7:7-14 REF
08 Apr 1967 41.9 D482
Adenoviruses, Animal physiology, Antigens, Cells, Metabolism, Neoplasms, Rous sarcoma virus, Virology, Virus diseases (animals). English summary
- 13975-69**
SEROLOGICAL RESPONSE OF CHICKENS INFECTED ARTIFICIALLY WITH SALMONELLA GALLINARUM AND TREATED WITH TIKOFURAN.
G Nagy L Fabian
Acta Vet (budapest) 18(1):53-55
1968 41.8 AC83
Agglutination test, Chickens, Correlation, Furazolidone, Injections, Poultry diseases, Salmonella gallinarum, Serological tests.
- 13976-69**
A VIRAL DISEASE OF GOSLINGS. II. MICROSCOPIC LESIONS.
Z Nagy D Derzsy
Acta Vet (budapest) 18(1):3-16
1968 41.8 AC83
Aleutian disease, Animal histology, Epidemiology, Geese, Microscopy, Poultry diseases, Reoviruses, Veterinary hospitals, Virus diseases (animals).
- 13977-69**
THE PATHOLOGICAL STUDY OF PARATUBERCULOSIS IN GOATS, CENTERED AROUND THE FORMATION OF REMOTE LESIONS.
M Nakamatsu Y Fujimoto H Satoh
Jap J Vet Res 16(4):108-119 REF
Dec 1968 41.8 V6446
Animal histology, Goats, Johne's disease, Mycobacterium johnei.
- 13978-69**
NUCLEAR MEASUREMENTS OF LYMPH-NODE PUNCTURE CELLS FROM DOGS WITH LYMPHADENOSIS. (GE)
H Niepage
Deut Vet Ges Ber 7:185-192
08 Apr 1967 41.9 D482
Blood, Cell nucleus, Cells, Dogs, Leukemia, Lymph nodes, Lymphatic system, Lymphosarcoma, Measurement. English summary
- 13979-69**
A STUDY OF THE ANTIANEMIC AND ZOOTECHNIC EFFICACY OF A COMPLEX IRON-DEXTRIN VITAMIN.
J Oudar M Lapras
Soc Vet Prat France Bull Mens 52(2):114-119
Feb 1968 41.9 SO12
Anemia, Dextrins, Iron, Mortality, Vitamins.
- 13980-69**
STUDIES ON ANTI-APHTHOUS FEVER VACCINES OF LIVE VIRUS. (SP)
C A Palacios
Rev Vet Venezolana 24(141):241-277 REF
30 Apr 1968 41.8 R3226
Animal vectors, Cattle, Foot-and-mouth disease, Injections, Vaccines, Virus diseases (animals).
- 13981-69**
EFFECTS OF NUTRITION AND E. COLISEPTICEMIA ON TISSUE AND FLUID CHANGES IN CHICKS. (ABSTRACT).
B Panigraphy P E Waibel B S Pomeroy
Poultry Sci 47(5):1705-1706
Sep 1968 47.8 AM33P
Animal nutrition, Animal physiology, Chicks, Diet, Eimeria colisepticemia, Poultry diseases, Tissues. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.
- 13982-69**
HYPOSIDEROSIS AND ITS SPECIFIC THERAPEUTICS. (SP)
D J Pares Pujals
Notic Neosan 145:45-67 REF
Mar 1968 41.8 N84
Animal diseases, Animal physiology, Blood, Deficiency diseases, Dextrins, Hemoglobin, Iron, Iron compounds, Livestock diseases, Myoglobin, Siderosis, Swine, Therapeutics.
- 13983-69**
THE ACTIVITY OF ORNITHINE-CARBAMYL TRANSFERASE IN THE BLOOD SERUM OF CALVES AND ITS DIAGNOSTIC IMPORTANCE IN THE CASE OF HEPATIC DISTURBANCES. (CZ)
J Patka J Sponar M Dvorak
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(2):107-114
Feb 1968 41.9 C333
Animal anatomy, Blood serum, Calves, Cattle, Enzymes, Injuries, Liver diseases, Ornithine, Transferases. Russian, German and English summaries
- 13984-69**
DISTINGUISHING OF M. AVIUM AND M. BOVIS INFECTION IN POULTRY BY MEANS OF SIMULTANEOUS TUBERCULINATION. (CZ)
M Pavlas
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(2):69-73
Feb 1968 41.9 C333
Bacteriology, Infectious diseases, Mycobacterium avium, Mycobacterium bovis, Poultry diseases, Tuberculin. English and Russian summaries
- 13985-69**
PRACTICAL ASPECTS IN THE APPLICATION OF IRON-DEXTRIN. (SP)
D B Perello Olivella
Notic Neosan 145:69-83
Mar 1968 41.8 N84
Animal diseases, Animal physiology, Blood, Deficiency diseases, Dextrins, Hemoglobin, Iron, Livestock diseases, Swine, Therapeutics.
- 13986-69**
SKIN MYCOSIS IN CATTLE AND ITS TREATMENT. (POL)
J Prost
Med Wet 24(3):148-149
Mar 1968 41.8 M463
Animal diseases, Cattle, Drug therapy, Livestock diseases, Mycosis, Skin diseases.
- 13987-69**
THE MORPHOLOGICAL PART OF A STUDY OF THE HEMATOLOGICAL KEY FOR THE DIAGNOSING OF LEUKOSIS IN RED-SPOTTED CATTLE IN CZECHOSLOVAKIA. (CZ)
R Rademacher J Kraus
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(2):83-90
Feb 1968 41.9 C333
Animal diseases, Animal morphology, Blood, Cattle, Hematology, Leukosis, Livestock diseases, Lymphocytosis. English, Russian and German summaries
- 13988-69**
STUDIES ON MASTITIS IN CATTLE.
P V R Rao M L Naidu
Indian Vet J 46(5):370-377 REF
May 1969 41.8 IN2
Antibiotics, Bacteria, Cattle, Drug therapy, Infectious diseases, Livestock diseases, Mastitis, Milk.
Bacteria found were: Escherichia coli, Klebsiella aerogenes, Staphylococcus pyogenes, beta-haemolytic Streptococci, Pseudomonas pyocyanes, Faecalis alkaligenes, and Paracolon spp.
- 13989-69**
MYCOPLASMA INFECTION IN A WISCONSIN DAIRY HERD.
V P Rastas S M Johnston
Amer Vet Med Ass J 154(1):61
01 Jan 1969 41.8 AM3
Cattle, Culture media, Infectious diseases, Livestock diseases, Mycoplasma.
- 13990-69**
ISOLATION OF CORYNEBACTERIUM HAEMOLYTICUM FROM A CASE OF OVINE PNEUMONIA.
R J Roberts
Vet Rec 84(19):490
10 May 1969 41.8 V641
Bacteria, Biochemistry, Corynebacterium haemolyticum, Corynebacterium pyogenes, Culture media, Human diseases, Infectious diseases, Livestock diseases, Microorganisms, Parasitism, Pleurisy, Pneumonia, Sheep.
- 13991-69**
PREVENTION AND TREATMENT OF BOVINE PAPILLOMATOSIS. (GE)
G Rosenberger H D Grunder
Deut Vet Ges Ber 7:124-131 REF
08 Apr 1967 41.9 D482
Bovine papilloma virus, Cattle, Immunization, Livestock diseases, Mucous membrane, Neoplasms, Papovaviruses, Skin, Vaccines, Virus diseases (animals). English summary
- 13992-69**
A CASE OF RHABDOMYOMA IN POULTRY.
R L Sah R M Sharma
Indian Vet J 46(5):377-380 REF
May 1969 41.8 IN2
Animal histology, Chickens, Muscles, Neoplasms, Poultry diseases, Rhabdomyoma.
- 13993-69**
IMMUNOLOGIC RESPONSE WITH REFERENCE TO THE HUMORAL CHANGES IN SURRA.
J Samaddar
Indian Vet J 46(5):386-393 REF
May 1969 41.8 IN2
Animal diseases, Bacteria, Cells, Dogs, Electrophoresis, Hematology, Immunology, Infectious diseases, Leukopenia, Rabbits, Serum albumin, Surra, Trypanosoma evansi.
- 13994-69**
STUDIES ON THE PERITONEAL EXUDATE OF ANIMALS EXPERIMENTALLY INFECTED WITH TOXOPLASMA GONDII. I. EFFECT OF HEAT ON ACTIVITY.
M A Samir
Acta Microbiol 16(1):39-46 REF
1969 448.3 AC84
Animal diseases, Mice, Temperature, Toxoplasma gondii, Toxoplasmosis.
- 13995-69**
NEURAMINIDASE IN AVIAN INFLUENZA A VIRUS ANTIGENICALLY RELATED TO THAT OF HUMAN A0 AND A1 SUBTYPES.
G C Schild H G Pereira C H Schettler
Nature 222(5200):1299-1301 REF
28 Jun 1969 472 N21

13996-69

Antigens, Enzymes, Hemagglutinin, Human diseases, Immunochemistry, Influenza viruses, Myxoviruses, Neuraminidase, Poultry diseases, Virology, Virus diseases (animals).

13996-69

THE LATEX TEST FOR THE SEROLOGICAL DIAGNOSIS OF BOVINE LEUCOSIS. (GE)

F W Schmidt

Deut Vet Ges Ber 7:174-184

08 Apr 1967 41.9 D482

Animal extracts, Antigens, Cattle, Diagnosis, Globulins, Latex, Leukemia, Livestock diseases, Lymph nodes, Serological tests, Serum. English summary

13997-69

BIOCHEMISTRY OF MALIGNANT GROWTH. (GE)

J Schole

Deut Vet Ges Ber 7:47-50

08 Apr 1967 41.9 D482

Animal physiology, Biochemistry, Cytoplasm, Flavoproteins, Hepatoma, Mitochondria, Neoplasms, Oxidation-reduction potential, Rats. English summary

Abstract: Postulated that mitochondrial damage that occurs in carcinogenesis, which is coupled with reduction of concentration of radical, results in an indirect activation of glycolysis and synthesis enzymes. The mitochondrial change seems to be irreversible; and the new type of mitochondrial is reproduced in the daughter cells.

13998-69

STUDY OF MASTITIS IN VENEZUELA. (SP)

G Semidey De Sosa

Rev Vet Venezolana 23(137):363-368

31 Dec 1967 41.8 R3226

Bacteria, Cattle, Economic conditions, Infectious diseases, Inflammation, Livestock diseases, Mastitis, Milk analysis, Staphylococcus albus, Streptococcus, Udders.

13999-69

THE PRESENCE OF EHRLICHIA OVINA-LIKE ORGANISMS IN THE MONONUCLEAR CELLS OF SHEEP IN CEYLON.

P Seneviratna M R Jainudeen

Ceylon Vet J 15(4):141

Dec 1968 41.8 C33

Bacteriology, Cells, Drug therapy, Ehrlichia ovina, Haemonchus contortus, Infectious diseases, Livestock diseases, Oxytetracycline, Sheep.

14000-69

POSSIBILITIES OF PREPARATION OF AN OIL ADJUVANT VACCINE AGAINST HAEMORRHAGIC SEPTICAEMIA OF CATTLE USING A MEDIUM PAPAIN DIGEST OF BEEF.

D S Shivdkar S P Beri

Indian Vet J 46(5):367-370 REF

May 1969 41.8 IN2

Agar, Bacteria, Cattle, Culture media, Infectious diseases, Livestock diseases, Methodology, Oils, Papain, Pasteurella multocida, Shipping fever, Sodium chloride, Vaccines, Veterinary medicine.

14001-69

COMPARATIVE STUDIES ON THE SENSITIVITY OF SOME OF THE METHODS OF COMPLEMENT FIXATION TEST COMMONLY USED FOR TYPING OF FOOT-AND-MOUTH DISEASE VIRUS.

Y F Shvetsov A C Gocl S Kumar

Indian Vet J 46(5):359-367 REF

May 1969 41.8 IN2

Antigens, Blood, Complement fixation, Foot-and-mouth disease virus, Hemolysins, Immunochemistry, Methodology, Picornaviruses, Serum, Veterinary medicine.

14002-69

INCREASED YIELDS OF STOMATITIS VIRUS FROM HAMSTER CELLS INJECTED WITH MYCOPLASMA.

S H Singer R L Kirschstein M F Barile

Nature 222(5198):1087-1088

14 Jun 1969 472 N21

Cells, Culture media, Hamsters, Laboratory animals, Mycoplasma, RNA viruses, Vesicular stomatitis virus, Virology, Virus diseases (animals).

14003-69

STUDIES ON CLINICAL SYMPTOMS AND HAEMATOLOGICAL CHANGES IN FOREIGN BODY SYNDROME IN BUFFALOES.

H Singh R Singh R C Bhalla

Indian Vet J 46(5):404-409 REF

May 1969 41.8 IN2

Buffaloes, Foreign bodies, Hematology, Leukocytosis, Livestock diseases, Neutrophils, Pericarditis, Rumenotomy, Ruminants.

14004-69

RELATIONSHIPS BETWEEN THE ROUS SARCOMA VIRUS AND AVIAN LEUCOSIS VIRUS. (GE)

F Steck

Deut Vet Ges Ber 7:81-86

08 Apr 1967 41.9 D482

Antibodies, Antigens, Avian leukosis complex viruses, Culture media, Genetics, Rous sarcoma virus, Virus diseases (animals). English summary

Abstract: Rous sarcoma virus genome may well be surrounded by different antigenic shells composed of different leukosis viruses.

14005-69

PERFORMANCE OF LAYERS FED AMPROLIUM AND NEOFERM. (ABSTRACT).

J F Stephens B D Barnett F R Fields

Poultry Sci 47(5):1721-1722

Sep 1968 47.8 AM33P

Amprolium, Animal nutrition, Animal physiology, Chickens, Diet, Eggs, Neoferm. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

14006-69

PERSISTING LYMPHOCYTOSIS AND ITS RELATION TO THE ETIOLOGY OF BOVINE LEUKOSIS. (GE)

O C Straub

Deut Vet Ges Ber 7:156-162 REF

08 Apr 1967 41.9 D482

Cattle, Cytology, Electron microscopy, Epizootic diseases, Etiology, Infectious diseases, Leukemia, Livestock diseases, Lymphocytosis, Virus diseases (animals). English summary

14007-69

BEHAVIOR OF SALMONELLAE CAUSING SPECIFIC ANIMAL PARATYPHOID IN LYSINE-DECARBOXYLASE TEST.

J Takacs

Acta Vet (budapest) 18(1):19-22

1968 41.8 AC83

Animal diseases, Bacteriology, Biological assay, Hydrochloric acid, Infectious diseases, Lysine decarboxylase, Salmonella, Salmonellosis.

14008-69

BOVINE ADENOVIRUS. I. RECOVERY OF A SEROTYPE, NAGANO, FROM JAPANESE CATTLE.

Y Tanaka Y Inaba Y Ito T Omori M Matumoto

Jap J Microbiol 12(1):77-93 REF

Mar 1968 44.8 J273

Adenoviruses, Cattle, Livestock diseases, Serological tests, Tissue culture, Virus diseases (animals).

14009-69

EQUINE PIROPLASMOSIS IN THE UNITED STATES-- A REVIEW.

W M Taylor J E Bryant J B Anderson K H Willers

Amer Vet Med Ass J 155(6):915-919 REF

15 Sep 1969 41.8 AM3

Babesia caballi, Babesia equi, Diagnosis, Drug therapy, Horses, Ixodides, Lindane, Livestock diseases, Piroplasmosis, Reviews, Toxaphene.

14010-69

THE DETECTION OF AUTOANTIBODIES TO KIDNEY TISSUE IN A DOG EXPERIMENT.

TALLY INFECTED WITH LEPTOSPIRA CANICOLA.

M Torten S Ben-Effraim E Shenberg J Van Der Hoeden

Refuah Vet 24(4):234-230 REF

Dec 1967 41.8 R25

Antibodies, Chronic interstitial nephritis, Dogs, Kidneys, Leptospira canicola, Nephritis, Skin tests, Tissues.

14011-69

CYTOLOGICAL STUDIES IN BOVINE LEUCOSIS. (GE)

S Ueberschar

Deut Vet Ges Ber 7:163-173 REF

08 Apr 1967 41.9 D482

Cattle, Cell nucleus, Cytology, Electron microscopes, Leukemia, Livestock diseases, Lymphatic system, Lymphocytosis. English summary

14012-69

A CASE OF EQUINE LYMPHOSARCOMA.

S M Vaughan

Vet Rec 84(19):474-475

10 May 1969 41.8 V641

Autopsies, Drug therapy, Horses, Livestock diseases, Lymphatic system, Lymphosarcoma, Neoplasms, Veterinary medicine.

14013-69

CANCER VIRUS OF ANIMALS AND MEN. (SP)

G C de la Villa

Rev Vet Venezolana 25(139):71-105 REF

Feb 1968 41.8 R3226

Animal diseases, Cancer, Human diseases, Leukemia, Lymph, Neoplasms, Nucleic acids, Oncogenic viruses, Virus diseases (animals).

14014-69

ON THE PROBLEM OF LEUKOSES (HEMOBLASTOSES) OF THE RETICULAR ORDER IN ANIMALS FOR SLAUGHTER. (CZ)

J Vitovec

*Czech Min Zemed Les Hospod Ustav Vedeckotech**Inform Vet Med* 13(2):91-96

Feb 1968 41.9 C333

Animals, Eosinophils, Histology, Leukosis, Lymphosarcoma, Neoplastic diseases, Polymorphism, Reticulosarcoma, Slaughtering. English, Russian and German summaries

14015-69

MALIGNANT MAMMARY TUMOURS TO THE BITCH WITH SPECIAL REFERENCE TO PROGNOSIS. (GE)

J Von Sandersleben

Deut Vet Ges Ber 7:111-115 REF

08 Apr 1967 41.9 D482

Animal diseases, Animal physiology, Carcinoma, Diagnosis, Dogs, Lymphatic system, Mammary glands, Metastasis, Neoplasms, Sarcoma. English summary

14016-69

DIPLOCOCCUS PNEUMONIAE. A COMPARATIVE STUDY ON THE ANTIBIOTICS EFFECTIVENESS IN VITRO AND IN VIVO. (CZ)

F Vymola O Lochman

Cesk Epidemiol Mikrobiol Imunol 16(2):105-111

Mar 1967 44.8 C332

Ampicillin, Antibiotics, Diplococcus pneumoniae, Erythromycin, Penicillin, Tissue culture. Russian and English abstracts.

14017-69

THE FORMAL GENESIS OF LEUCOSIS AND RNA TUMOURS IN THE OX, DOG AND CAT. (GE)

E Weiss

Deut Vet Ges Ber 7:151-155

08 Apr 1967 41.9 D482

Cats, Dogs, Draft cattle, Leukosis, Lymphatic system, Lymphosarcoma, Neoplasms, RNA viruses, Virus diseases (animals). English summary

- 14018-69**
INFECTIOUS BOVINE KERATO-CONJUNCTIVITIS: A REVIEW.
 G E Wilcox
Vet Bull 38(6):349-360 REF
 Jun 1968 41.8 T752
 Anaerobic bacteria, Cattle, Human diseases, Infectious diseases, Injections, Keratitis, Keratoconjunctivitis, Livestock diseases, Moraxella bovis, Radiation, Temperature, Veterinary hospitals.
- 14019-69**
CHARACTERISTICS OF CORYNEBACTERIUM RENALE PHAGE.
 R Yanagawa M Shinagawa
Jap J Vet Res 16(4):137-143 REF
 Dec 1968 41.8 V6446
 Bacteriology, Bacteriolysis, Corynebacterium, Deoxyribonucleic acid, Morphology, Plaque, Serological tests.
- 14020-69**
LYSOGENY IN CORYNEBACTERIUM RENALE.
 R Yanagawa M Shinagawa K Nerome
Jap J Vet Res 16(4):121-127
 Dec 1968 41.8 V6446
 Bacteriology, Bacteriolysis, Cattle, Corynebacterium, Livestock diseases, Ultraviolet rays.
- 14021-69**
DIFFUSION IN THE UDDER OF DYES AND ANTIBIOTICS DISSOLVED IN DIMETHYL SULFOXIDE (DMSO).
 G Ziv
Refuah Vet 24(4):244-235 REF
 Dec 1967 41.8 R25
 Antibiotics, Cattle, Colorimetry, Diffusion, Dimethyl sulfoxide, Dyes, Mammary glands, Mastitis, Milk analysis, Pseudomonas aeruginosa, Sheep, Staphylococcus aureus, Streptococcus dysgalactiae, Udders.
- PARASITES**
- 14022-69**
LIFE CYCLE, PATHOGENICITY AND IMMUNOGENICITY OF CHABERTIA OVINA.
 R P Herd J H Arundel
Vet Rec 84(19):487-488
 10 May 1969 41.8 V641
 Anemia, Biology, Chabertia ovina, Helminths, Immunization, Intestines, Larvae, Microorganisms, Neutrophils, Parasitism, Sheep.
- 14023-69**
LIVER FLUKE DISEASE APPEARS TO BE SPREADING.
 J W Moxham R H Ansell P Gallagher
New Zeal J Agr 119(2):34-35,37
 Aug 1969 23 N48J
 Animal vectors, Cattle, Fasciola hepatica, Pathology, Sheep, Surveys, Trematoda.
- 14024-69**
OBLIQUELY STRAITED MUSCLE. III. CONTRACTION MECHANISM OF ASCARIS BODY MUSCLE.
 J Rosenbluth
J Cell Biol 34(1):15-33 REF
 Jul 1967 442.8 J828
 Ascaris, Electron microscopy, Muscles, Physiology.
- 14025-69**
EARTHWORMS, EUTYPHEUS WALTONI AND PHERETIMA SP. AS TRANSPORT-HOSTS OF SWINE KIDNEY WORM, STEPHANURUS DENTATUS IN BIHAR, INDIA.
 B K Sinha
Ceylon Vet J 15(4):130-132 REF
 Dec 1968 41.8 C33
 Earthworms, Gastrointestinal system, Helminthiasis, Larvae, Morphology, Parasitism, Stephanurus dentatus, Swine.
- 14026-69**
IDENTIFICATION KEY TO THE LEECH (HIRUDINOIDEA) GENERA OF THE WORLD, WITH A CATALOGUE OF THE SPECIES. VI. FAMILY: GLOSSIPHONIDAE.
 A Soos
Acta Zool (Budapest) 15(3-4):397-454 REF
 1969 410 AC85
 Catalogs, Hirudinea, Taxonomy, Zoogeography.
- 14027-69**
TRANSMAMMARY PASSAGE OF NEMATODE LARVAL INFESTATION.
 W M Stone M H Girardeau
Clin Vet 90(4):271
 Apr 1968 41.8 C61
 Ancylostoma caninum, Larvae, Mammary glands, Nematodes, Parasitism, Strongyloides, Uncinaria.
- 14028-69**
VACCINATION AGAINST SYNGAMOSIS IN CHICKS, YOUNG PHEASANTS AND TURKEY-POULTS. (CZ)
 K Ziegler
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(2):97-105
 Feb 1968 41.9 C333
 Chickens, Immunization, Irradiation, Larvae, Nematodes, Parasitism, Pheasants, Poultry diseases, Syngamosis, Temperature, Turkeys, Vaccines. Russian, English and German summaries
- COMMODITY PROTECTION**
- 14029-69**
EDTA TITRATION OF CALCIUM AND MAGNESIUM: DETERMINATION OF CALCIUM IN CANNED VEGETABLES.
 E F Steagall
Ass Offic Anal Chem J 51(4):796-799
 Jul 1968 381 AS7
 Calcium, Canned food, Drug plants, Ethylenediaminetetraacetic acid, Laboratories, Magnesium, Vegetables, Vitamins, Volumetric analysis.
- STORAGE DISEASES**
- 14030-69**
STUDIES ON BOTRYTIS ALLII MUNN.. THE CAUSE OF NECK ROT OF ONION BULBS IN U.A.R.. III. RELATION OF SOME CULTURE PRACTICES TO SUBSEQUENT INCIDENCE OF NECK ROT ON STORAGE.
 M Kamel
Cairo Ain Shams Univ Fac Agr Bull 16(1):335-355 REF
 1969 24 C122
 Botrytis allii, Fungus diseases (plants), Irrigation, Light, Onions, Storage diseases.
- ARTHROPODS**
- 14031-69**
FLY AND ECONOMIC EVALUATION OF URBAN REFUSE SYSTEMS. I. CONTROL OF GREEN BLOW FLIES (PHAENICIA) BY IMPROVED METHODS OF RESIDENTIAL REFUSE STORAGE AND COLLECTION.
 D H Ecke D D Linsdale
Calif Vector Views 14(4):1-27 REF
 Apr 1967 449.8 C12
 Diptera, Garbage, Insect control, Phaenicia, Refuse disposal.
- 14032-69**
URIC ACID AS AN INDEX OF INSECT INFESTATION IN FLOUR.
 N P Sen
Ass Offic Anal Chem J 51(4):785-791
 Jul 1968 381 AS7
- Correlation, Decomposition, Flour, Food inspection, Insect infestation, Insect morphology, Larvae, Methanol, Pupae, Tribolium castaneum, Uric acid.
- 14033-69**
FLY LARVAL MIGRATION FROM RESIDENTIAL REFUSE CONTAINERS IN THE CITY OF FRESNO.
 J D Walsh D D Linsdale K E White R E Bergstrom
Calif Vector Views 15(6):55-62 REF
 Jun 1968 449.8 C12
 Household pests, Insect migration, Larvae, Phaenicia, Refuse disposal, Surveys.
- 14034-69**
INSECTS ATTRACTED TO ARGON LIGHT TRAPS IN CALIFORNIA WINERIES.
 A P Yerington
Calif Vector Views 14(8):52-55
 Aug 1967 449.8 C12
 Argon, Carpophilus, Drosophilidae, Insects, Light traps, Wine manufacture.
- MICROBIAL CONTAMINATION**
- 14035-69**
DIFFERENTIAL RESPONSES OF SINGLE CELLS AND AGGREGATES OF MYCOPLASMAS TO ULTRAVIOLET IRRADIATION.
 G Furness
Appl Microbiol 18(3): 360-364 REF
 Sep 1969 448.3 AP5
 Bacteriology, Mycoplasma, Ultraviolet rays.
- 14036-69**
COAGULATION POSITIVE STAPHYLOCOCCUS FROM COW'S MILK. III. COMPARISON WITH A STRAIN PATHOGENIC TO MAN. (GE)
 W von Gedeck
Arch Lebensmittelhyg 19(1):7-11 REF
 Jan 1968 41.8 L49
 Bacteriology, Blood coagulation, Dairy products, Food contamination, Human diseases, Milk, Staphylococcus.
- 14037-69**
BACTERIOLOGICAL CONTROL OF ICE CREAM MANUFACTURE. PART 1. INTRODUCTION AND RAW MATERIALS.
 T P Lloyd
Dairy Indus 34(4):199-202
 Apr 1969 44.8 D1427
 Bacteriology, Butter, Chocolate, Confectionery, Dairy products, Food contamination, Food preservatives, Fruit, Ice cream, Milk, Nuts, Oils, Raw materials, Sanitation, Sugar. French, German, and Spanish summaries.
- 14038-69**
THE ADDITIONAL FACTOR INCREASING THE NUMBER OF BACTERIA IN PASTEURIZED HAMS. (POL)
 L Ogielski K Sylwester Z Zawadzki
Med Wet 24(3):174-175
 Mar 1968 41.8 M463
 Autoclaves, Bacteria, Food contamination, Ham, Pasteurization, Sterilization. English and Russian summaries
- 14039-69**
A REPORT OF CANTHARIASIS AND ALLERGY CAUSED BY TROGODERMA (COLEOPTERA: DERMESTIDAE).
 G T Okumura
Calif Vector Views 14(3):19-22
 Mar 1967 449.8 C12
 Allergies, Cantharides, Coleoptera, Dermestidae, Food contamination, Human diseases, Insects, Laboratories, Larvae, Reports, Trogoderma glabrum, Trogoderma ornata, Trogoderma parabole.

14040-69

14040-69

RECOMMENDED CHANGES IN THE METHOD FOR DETECTION AND IDENTIFICATION OF SALMONELLA IN EGG PRODUCTS.

P L Poelma

Ass Offic Anal Chem J 51(4):870-872

Jul 1968 381 AS7

Culture media, Eggs, Fermentation, Food contamination, Lactose, Methodology, Salmonella, Sucrose.

14041-69

FURTHER INVESTIGATIONS OF THE POSSIBILITY OF SURVIVAL OF TOXOPLASMA IN HAM. (GE)

E Scupin

Arch Lebensmittelhyg 19(1):11-13 REF

Jan 1968 41.8 L49

Food contamination, Ham, Human diseases, Toxoplasmosis.

14042-69

BEHAVIOR OF SOME GERMS AND BACTERIAL TOXINS PATHOGENIC TO MAN IN FOOD AND ITS DESTRUCTION THROUGH HEAT TREATMENT OF THE FOOD. I. SALMONELLA. (GE)

D von Streichan

Arch Lebensmittelhyg 19(1):14-17

Jan 1968 41.8 L49

Bacteria, Food contamination, Food sanitation, Heat, Human diseases, Microorganisms, Salmonella bacterins, Toxins.

ENVIRONMENTAL CONTAMINATION

14043-69

ARE FERTILIZERS POLLUTING OUR WATER

R Coffman

Farm J West Ed 93(5):19, 36-37, 46

May 1969 6 F2212W

Farm management, Fertilizers, Nitrogen, Water pollution.

RESIDUES

14044-69

THE EFFECT OF HERBICIDES ON SOIL MICROFLORA. VI. THE EFFECT OF PH ON SUSCEPTIBILITY OF SOME BACTERIA TO HERBICIDES.

N Balicka

Acta Microbiol Polon (SER B) 1(2):43-45

1969 448.3 AC82

Herbicide residues, Herbicides, Hydrogen-ion concentration, Physiology, Soil microorganisms, Toxicology.

14045-69

SPECTROPHOTOFLOUORESCENT AND SPECTROPHOTOPHOSPHORESCENT DATA ON INSECTICIDAL CARBAMATES AND THE ANALYSIS OF FIVE CARBAMATES IN MILK BY SPECTROPHOTOFLOUOREMETRY.

M C Bowman M Beroza

Residue Rev 17:23-34 REF

1967 389.9 R314

Carbamates, Chemical analysis, Chromatography, Insecticide residues, Milk, Spectrophotofluorometry.

14046-69

COMMON MARKET APPROACHES TO HARMONIZATION OF FOOD LAWS IN THE FIELD OF PESTICIDE RESIDUES.

D V den Bruel

Residue Rev 17:73-79 REF

1967 389.9 R314

Food, Legislation, Pesticide residues.

14047-69

DETERMINATION OF DICOFOL (KELTHANE) RESIDUES IN FRUITS AND VEGETABLES.

E L Gunderson

Ass Offic Anal Chem J 51(4):899-900 REF

Jul 1968 381 AS7

Acaricides, Benzidine test, Chlorinated hydrocarbons, Colorimetry, Crops, Dicofoil, Extracts, Formic acid, Fruit, Hydrogen-ion concentration, Pesticide residues, Pyridine, Spectrophotometry, Vegetables.

14048-69

RESIDUE BEHAVIOR OF POLYNUCLEAR HYDROCARBONS ON AND IN ORANGES.

F A Gunther F Buzzetti W E Westlake

Residue Rev 17:81-104 REF

1967 389.9 R314

Anthracene, Carcinogens, Oranges, Pyrene, Residues.

14049-69

EFFECT OF THE HERBICIDE TRIFLURALIN ON NITROGEN-FIXATION IN RHIZOBIUM AND AZOTOBACTER AND ON NITRIFICATION.

Y A Hamdi M S Tewfik

Acta Microbiol Polon (SER B) 1(2):53-57

1969 448.3 AC82

Azotobacter, Herbicides, Nitrification, Physiology, Rhizobium, Soil microorganisms, Toxicology, Trifluralin.

14050-69

DECOMPOSITION OF THE HERBICIDE TRIFLURALIN BY A PSEUDOMONAD.

Y A Hamdi M S Tewfik

Acta Microbiol Polon (SER B) 1(2):83-84

1969 448.3 AC82

Decomposition, Herbicide residues, Herbicides, Pseudomonads, Trifluralin.

14051-69

THE EFFECT OF HERBICIDES ON SOIL MICROFLORA. VII. RESPIRATION OF BACTERIA ISOLATED FROM MAIZE RHIZOSPHERE.

S Karpiak H Iwanowski

Acta Microbiol Polon (SER B) 1(2):47-52

1969 448.3 AC82

Corn, Herbicides, Respiration, Rhizosphere, Soil microorganisms.

14052-69

INVESTIGATION OF THE HARMFUL EFFECT OF THE RESIDUE FROM SOME HERBICIDES ON OATS. (SE)

M Misovic D Bozic

Agrohemiya 11-12:501-506

Nov 1967 385 AG87

Atrazine, Crop yields, Herbicide residues, Herbicides, Oats, Simazine, Soil analysis, Vegetation. English summary

14053-69

RESIDUE STUDIES OF FENTHION (BAYTEX) AND DURSBAN IN CENTRAL CALIFORNIA PASTURES.

C M Myers L L Lewallen B Nobe

Calif Vector Views 15(5):51-53

May 1968 449.8 C12

Aerial spraying, Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate, O,O -, Fenthion, Grasses, Insecticide residues, Organophosphorus compounds, Pastures, Soils.

14054-69

THE METABOLISM OF CONTACT INSECTICIDES IN STORED GRAINS.

D G Rowlands

Residue Rev 17:105-177 REF

1967 389.9 R314

Chlorinated hydrocarbons, Degradation, Grain, Insecticide residues, Metabolism, Organophosphorus compounds, Penetration.

14055-69

SCREENING METHODS FOR ORGANOCHLORINE AND ORGANOPHOSPHATE INSECTICIDES IN FOODS AND FEEDS.

B L Samuel H K Hodges

Residue Rev 17:35-72 REF

1967 389.9 R314

Chlorinated hydrocarbons, Chromatography, Feed, Food residues, Insecticide residues, Organophosphorus compounds, Surveys.

14056-69

THE EFFECT OF HERBICIDES ON SOIL MICROFLORA. V. GROWTH AND ACTIVITY OF CELLULOLYTIC MICROORGANISMS.

J Sobieszczanski

Acta Microbiol Polon (SER B) 1(2):39-42

1969 448.3 AC82

Cellulose, Herbicide residues, Herbicides, Physiology, Soil microorganisms.

14057-69

A NEW FLASH INJECTOR FOR GAS CHROMATOGRAPHY OF ORGANOPHOSPHORUS INSECTICIDES.

J Solomon

Ass Offic Anal Chem J 51(4):883-888

Jul 1968 381 AS7

Chromatography, Extracts, Glass wool, Injections, Insecticide residues, Ionization, Organophosphorus compounds, Solvents.

14058-69

CONTAMINATION OF CEREALS BY RADIONUCLIDES FROM FALLOUT.

P Spillane

Farm Res News 9(5,SEP/OCT):117-119

1968 10.5 F223

Food contamination, Grain, Radioactive contamination, Strontium isotopes.

14059-69

EXTRACTION PROCEDURES FOR DDT RESIDUES IN FIRM FRUITS AND IN HAY: COLORIMETRIC METHOD.

M Wilderman H Shuman

Ass Offic Anal Chem J 51(4):892-895

Jul 1968 381 AS7

Chlorinated hydrocarbons, Colorimetry, DDT, Extracts, Fruits, Hay, Hexane, Isopropyl alcohol, Pesticide residues, Sampling (statistics), Tissues, Vegetables, Water.

TOXICOLOGY

14060-69

ZEBRA FISH EGGS AND LARVAE AS AFLATOXIN BIOASSAY TEST ORGANISMS.

Z H Abedi W P McKinley

Ass Offic Anal Chem J 51(4):902-905 REF

Jul 1968 381 AS7

Aflatoxin, Biological assay, Ducklings, Fish, Laboratories, Larvae, Mortality, Pesticides, Roe, Tissue culture, Toxicology.

14061-69

TEMPERATURE DOSE RELATIONSHIPS WITH AFLATOXIN ON THE BRINE SHRIMP, ARTEMIA SALINA.

R F Brown J D Wildman R M Eppley

Ass Offic Anal Chem J 51(4):905-906

Jul 1968 381 AS7

Aflatoxin, Chromatography, Mortality, Shrimps, Temperature, Water.

14062-69

SECTION I.-INSECT CONTROL.

W V Campbell J Falter R L Robertson J R

Bradley C G Wright

N C Pesticide Manual 00(00):1-72

1969 79.8 N81

Accident prevention, Fumigants, Insect pests, Insecticides, Lethal dose, Mammals, Rats, Surveys, Toxicology.

- 14063-69**
THE INTERACTION OF PESTICIDES WITH OTHER FACTORS.
 W F Durham
Residue Rev 18:21-103 REF
 1967 389.9 R314
 Carbamates, Chlorinated hydrocarbons, Enzymes, Fungicides, Herbicides, Mammals, Metabolism, Organophosphorus compounds, Pesticides, Synergists, Toxicology.
- 14064-69**
THE METABOLISM OF PESTICIDES IN MAMMALS. (GE)
 W Ernst
Residue Rev 18:131-157 REF
 1967 389.9 R314
 Carbamates, Chlorinated hydrocarbons, Mammals, Metabolism, Organophosphorus compounds, Pesticides, Triazines.
- 14065-69**
PRELIMINARY STUDIES ON THE ANTIMALARIAL ACTIVITY OF SDDS (2-SULFAMOYL-4, 4'-DIAMINODIPHENYLSULFONE) AGAINST PLASMODIUM BERGHEI AND PLASMODIUM GALLINACEUM.
 A Ishii M Sasa H Chinzei S Ohshima H Tanaka Y Inami
Jap J Exp Med 37(4):301-321 REF
 Aug 1967 448.8 J272
 Chicks, Dosage, Drug therapy, Immunity, Injections, Malaria control, Mice, Plasmodium berghei, Plasmodium gallinaceum, Sulfamoyl-4,4'-diaminodiphenyl sulfone, 2-, Toxicology.
- 14066-69**
THE EFFECTS OF POLYCHLOROBIPHENYLS ON CHORTHIPPUS BRUNNEUS (SALTATORIA: ACRIDIDAE).
 F Moriarty
Entomol Exp Appl 12(2):206-210
 1969 421 EN895
 Biphenyl, Chemical control (insects), Chlorinated hydrocarbons, Chorthippus, Insect biochemistry, Toxicology.
- 14067-69**
THE RELATIONSHIP BETWEEN CHEMICAL STRUCTURE, FUNGICIDE PROPERTIES AND TOXICITY FOR MAMMALS OF SOME ARSENIC ORGANIC COMPOUNDS. (RUS)
 I D Neklesova N V Egorova M A Kudrina
Akad Nauk Sssr Izv Ser Khim (9):1994-1998
 1967 511 SA2C
 Arsenic compounds, Chemical structure, Fungicides, Organic compounds, Toxicology.
- 14068-69**
AFLATOXIN BI HEMIACETAL.
 A E Pohland M E Cushmac P J Andrellos
Ass Offic Anal Chem J 51(4):907-910
 Jul 1968 381 AS7
 Acids, Aflatoxin B1, Chickens, Tissue culture, Water.
- 14069-69**
PHYTOXICITY OF SPORIDESMIN.
 D E Wright
New Zeal J Agr Res 12(2):271-274
 May 1969 23 N4892
 Holcus, Lolium perenne, Mustard, Plant physiology, Red clover, Seed germination, Sporidesmin, Toxins, Ultraviolet rays.
- 14070-69**
EFFECTS OF (2-CHLOROETHYL)TRIMETHYLAMMONIUM CHLORIDE (CCC) ON HYOSCYAMUS ALBUS PLANTS.
 M C Andries S S Lamba
Phyton (vicente Lopez) 24(1):1-6
 May 1967 450 P567
 Aerial roots, Alkaloids, Chloroethyl)trimethylammonium chloride, (2-, Datura stramonium, Hyoscyamus, Nodules (plants), Plant biochemistry, Plant physiology, Plants.
- 14071-69**
EFFECT OF GIBBERELLIN ON THE GROWTH, DEVELOPMENT, CROP YIELD AND SOME ASPECTS OF METABOLISM OF SUMMER VETCH, FIELD BEAN, PEA AND SOYA UNDER VARIOUS NUTRIENT CONDITIONS. (RUS)
 A A Avetisian
Fiziol Rast 15(1):52-62 REF
 Jan 1968 450 F58
 Beans, Crop yields, Gibberellins, Growth factors, Nutrient solutions (plants), Peas, Plant hormones, Plant metabolism, Plant physiology, Plant regulators, Soybeans, Vetch. English summary
- 14072-69**
TESTS ON INDUCED DISTURBANCES OF PLANT REGULATORS ON THE FRUIT OF THE TOMATO PLANT CV. 'SUPER-MARMAMDE'.
 G Bestagno R Gigante
Riv Patol Veg (SER.A) 2(3):159-183
 Apr 1967 464.8 R52
 Crop varieties, Naphthaleneacetic acid, Plant physiology, Plant regulators, Tomatoes.
- 14073-69**
EFFECT OF GIBBERELLIC ACID ON FRUIT SETTING OF WASHINGTON NAVEL ORANGES.
 M M El-Azzouni G R Stino E E Salem
Cairo Ain Shams Univ Fac Agr Bull 16(2):7-18 REF
 1969 24 C122
 Fruit setting, Gibberellic acid, Oranges, Plant regulators.
- 14074-69**
LEAF CHARACTERS OF TALL AND SHORT LINES OF RICE AND THEIR RESPONSE TO GIBBERELIN.
 J Harada K Wada
Tohoku J Agr Res 19(1):27-31
 Jun 1968 22.5 T574
 Crop varieties, Gibberellins, Leaves, Plant physiology, Rice.
- 14075-69**
GIBBERELLIN RESPONSE OF DWARF MUTANTS OF RICE.
 J Harada K Wada
Tohoku J Agr Res 19(1):19-26 REF
 Jun 1968 22.5 T574
 Crop varieties, Gibberellins, Plant biochemistry, Plant physiology, Rice.
- 14076-69**
THE INFLUENCE OF ALAR (N-DIMETHYLAMINOSUCCINAMIC ACID) ON MATURATION OF APPLES AND PEARS.
 T Johnson D R Dilley
Mich State Hort Soc Annu Rep 101-105
 1968 81 M58
 Apples, Pears, Plant biochemistry, Plant physiology, Succinic acid, 2,2-dimethylhydrazide.
- 14077-69**
INFLUENCE OF PLANTING TIME ON PHYTOXICITY OF DICHLOROPROPENES TO SUGARBEETS.
 E C Jorgenson
Plant Dis Rep 53(8):629-630
 Aug 1969 1.9 P69P
 Chemical control (nematodes), Chlorinated hydrocarbons, Dichloropropene compounds, Heterodera schachtii, Nematocides, Plant injuries, Plant nematodes, Planting date, Sugar beets.
- 14078-69**
CYTOKININ ACTIVITY AND CHEMICAL STRUCTURE OF CERTAIN DERIVATIVES OF N-ALLYL-N'-PHENYLTHIOUREA.
 E Karanov I Ivanova G Vasilev
Soviet Plant Physiol 15(3,MAY-JUN):363-367 REF
 1968 450 F58AE
 Chlorophylls, Cytokinins, Plant biochemistry, Plant physiology, Plant regulators, Thiourea compounds. Translated from Fiziologiya Rastenii, 15(3,May-Jun):430-435, 1968. Original article in Russian.
- 14079-69**
INVESTIGATION OF NATURAL AUXINS AND GROWTH INHIBITORS.
 V I Kefeli R K Turetskaya
Soviet Plant Physiol 15(3,MAY-JUN):479-486 REF
 1968 450 F58AE
 Methodology, Plant biochemistry, Plant growth inhibitors, Plant hormones, Plant physiology, Plant regulators. Translated from Fiziologiya Rastenii, 15(3,May-Jun):569-577, 1968. Original article in Russian.
- 14080-69**
DELAY OF THE YELLOWING OF BARLEY LEAVES ON THE PLANT BY PHYTOHORMONE TREATMENT.
 O N Kulaeva O I Devyatko
Soviet Plant Physiol 16(2,MAR-APR):234-237 REF
 Apr 1969 450 F58AE
 Barley, Cytokinins, Gibberellins, Plant hormones, Plant physiology, Plant regulators, Yellows. Russian journal Fiziologiya Rastenii, 16(2):282-289 Mar-Apr 1969.
- 14081-69**
ON SOME FEATURES OF THE EFFECT OF HETEROAUXIN ON THE GROWTH OF CELLS IN THE ELONGATION PHASE. YAKUSHKINA, N I. (RUS)
 I A Kulakova
Fiziol Rast 15(1):47-51 REF
 Jan 1968 450 F58
 Cells, Dinitrophenols, Growth factors, Indoleacetic acid, Peas, Phosphorylation, Plant growth inhibitors, Plant hormones, Plant physiology, Plant regulators. English summary
- 14082-69**
EFFECT OF SOIL TYPE ON UPTAKE OF MAGNESIUM BY PASTURE PLANTS.
 K J McNaught T E Ludecke
New Zeal Soc Anim Prod 27(0):121-125
 07 Feb 1967 49.9 N483
 Adsorption, Biochemistry, Dolomites, Magnesium, Pastures, Plant biochemistry, Plant translocation, Pumice, Soil series, Superphosphates.
- 14083-69**
A RESULT OF ETHYLENE IMINE TREATMENT IN MALTING BARLEY. (JA)
 M Muramatsu
Gamma Field Symp 5:83-94
 1966 442.9 H79
 Barley, Ethylenimine, Gamma rays, Malting barley, Plant abnormalities, Plant biochemistry, Plant mutation, Therapeutics. Japanese summary
- 14084-69**
EFFECT OF RETARDANT CCC ON GROWTH AND MORPHOGENESIS OF FRUIT TREE SAPLINGS.
 Nekrasova
Soviet Plant Physiol 16(2,MAR-APR):238-244 REF
 Apr 1969 450 F58AE
 Apricots, Chloroethyl)trimethylammonium chloride, (2-, Fruit, Lemons, Peaches, Plant physiology, Plant regulators. Russian journal Fiziologiya Rastenii, 16(2):293-302, Mar-Apr 1969.
- 14085-69**
EFFICIENCY OF MUTATION INDUCED BY THE ABSORPTION OF BETA EMITTING RADIOISOTOPES IN PLANTS. (JA)
 Y Onozawa
Gamma Field Symp 5:13-24
 1966 442.9 H79
 Absorption, Beta rays, Plant biochemistry, Plant breeding, Plant mutation, Plants, Radioisotopes. Japanese summary

PLANT PHYSIOLOGY & BIOCHEMISTRY

14086-69

14086-69

COMPARISON OF MUTAGENIC EFFECTS OF ETHYLENE-IMINE AND IONIZING RADIATIONS ON RICE. (JA)

K Osone

Gamma Field Symp 5:53-62

1966 442.9 H79

Ethylenimine, Ionization, Irradiation, Plant abnormalities, Plant biochemistry, Plant mutation, Rice. Japanese summary

14087-69

THE EFFECT OF GIBBERELLIN AND AUXIN ON IAA OXIDASE AND PEROXIDASE ACTIVITY IN MESOCOTYL CUTTINGS OF CORN.

V V Polevoi M A Stroganova

Soviet Plant Physiol 15(3,MAY-JUN):469-471

REF

1968 450 F58AE

Corn, Enzymes, Gibberellins, Indoleacetic acid, Oxidases, Peroxidases, Plant biochemistry, Plant cuttings, Plant growth inhibitors, Plant hormones, Plant physiology, Plant regulators. Translated from *Fiziologiya Rastenii*, 15(3,May-Jun):561-563, 1968. Original article in Russian.

14088-69

EFFECT OF PRE-HARVEST SPRAY OF ALPHA-NAPHTHALENE ACETIC ACID AND PARA-CHLORO PHENOXYACETIC ACID ON CONTROL OF BERRY DROP IN ANABE-SHAHI GRAPES (VITIS VINIFERA LINN.).

M M Rad P Narasimham N Nagaraja B

Anandaswamy

Journeyman Boker 5(3):127-128

Oct 1968 389.8 J823

Berry drop, Chlorophenoxyacetic acid, 4-, Dosage, Grapes, Naphthaleneacetic acid, 1-, Plant growth regulator, Spraying.

14089-69

DETOXIFICATION OF 2,4-D IN PLANTS DEPENDING UPON THE PECULIARITIES OF ITS APPLICATION.

Y V Rakitin T P Mikhailova

Soviet Plant Physiol 15(3,MAY-JUN):417-421

REF

1968 450 F58AE

D, 2,4-, Herbicides, Leaves, Pesticide application, Phenoxy acid compounds, Plant biochemistry, Raphanus raphanistrum, Roots, Toxicology, Wheat. Translated from *Fiziologiya Rastenii*, 15(3,May-Jun):498-504, 1968. Original article in Russian.

14090-69

ROLE OF 2,4-DICHLOROPHENOXYACETIC ACID AND OF MYO-INOSITOL IN THE FORMATION OF THE CALLUS ON EXCISED ROOTS OF SOLANUM LACINIATUM AIT.

J Rerabek

Biol Plant 9(4):285-291

1967 450 B52

Biochemistry, Callus (plants), Culture media, D, 2,4-, Inositol, Phenoxy acid compounds, Plant nutrition, Plant physiology, Roots, Solanum. Czechoslovakian and Hebrew summaries

14091-69

STUDIES ON THE MOLYBDENUM AVAILABILITY. PART II. THE EFFECT OF MOLYBDENUM AND CALCIUM TREATMENT ON THE UPTAKE OF MOLYBDENUM BY PLANTS. (POL.)

M Ruszkowska

*Inst Uprawy Nawozenia Gleboznawstwa Pam**Pulawski* 33:31-52 REF

1968 64.9 IN7

Calcium, Deficiency diseases, Micronutrients, Molybdenum, Plant biochemistry, Plant nutrition. English and Russian summaries.

14092-69

INDUCTION OF MUTANTS IN SWEET POTATO BY ABSORPTION OF 32P. (JA)

K Sakai

Gamma Field Symp 5:25-38

1966 442.9 H79

Absorption, Isotopes, Phosphorus, Plant abnormalities, Plant biochemistry, Plant mutation, Sweetpotatoes. Japanese summary

14093-69

INDUCTION OF MUTATIONS IN RICE BY SOME CHEMICALS. (JA)

H Sato

Gamma Field Symp 5:71-81

1966 442.9 H79

Chemicals, Plant abnormalities, Plant biochemistry, Plant mutation, Rice. Japanese summary

14094-69

INFLUENCE OF CO60 GAMMA RADIATION ON THE WATER REGIME AND DROUGHT RESISTANCE OF PEPPERMINT PLANTS.

V N Savin O G Stepanenko

Soviet Plant Physiol 15(3,MAY-JUN):457-461

REF

1968 450 F58AE

Cobalt isotopes, Drought resistant plants, Gamma rays, Irradiation, Mentha piperita, Plant biochemistry, Plant growth inhibitors, Plant metabolism, Plant physiology, Plant water relations, Radioactive isotopes, Water. Translated from *Fiziologiya Rastenii*, 15(3,May-Jun):546-551, 1968. Original article in Russian.

14095-69

SEPARATION OF GROWTH REGULATORS FROM PICEA ABIES KARST. ON SEPHADEX LH-20.

I Steen L Eliasson

J Chromatography 43(4):558-560

23 Sep 1969 475 J824

Chromatography, Herbicide residues, Picea, Plant growth regulator.

14096-69

EFFECT OF (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE (CCC) AND GIBBERELLIC ACID (GA3) ON THE FLOWERING OF CHENOPODIUM RUBRUM L.

L Teltscherova H Havlickova J Krekule

Biol Plant 9(4):317-320

1967 450 B52

Chenopodium rubrum, Chloroethyl(trimethylammonium chloride, (2-, Flowers, Gibberellin acid, Plant biochemistry, Plant growth inhibitors, Plant physiology, Plant regulators. Czechoslovakian and Hebrew summaries

14097-69

BIOSYNTHESIS OF SPORIDESMIN FROM AMINO ACIDS.

N R Towers D E Wright

New Zeal J Agr Res 12(2):275-280

May 1969 23 N4892

Alanine, Amino acids, Biochemistry, Carbon-14, Pithomyces chartarum, Sporidesmin, Synthesis, Toxins, Tryptophan.

14098-69

THE ACTION OF I-ALKYL-1-NITROSOUREAS AND I-ALKYL-3-NITRO-1-NITROSOGUANIDINES ON THE MI GENERATION OF BARLEY AND ARADIDOPSIS THALIANA (L.) HEYNH.

J Veleminsky T Gichner V Pokorny

Biol Plant 9(4):249-262

1967 450 B52

Barley, Guanidine compounds, Nitroso compounds, Plant biochemistry, Plant physiology, Urea compounds. Czechoslovakian and Hebrew summaries

14099-69

HOW TO OBTAIN MAXIMUM BENEFITS FROM USE OF ALAR EXPLAINED BY DR. MAX W. WILLIAMS AT HORTICULTURAL ASSOCIATION MEET.

M W Williams

Better Fruit 63(3):9-10,13

Jan 1969 80 B46

Apples, Plant injuries, Plant physiology, Plant regulators, Spraying, Succinic acid, 2,2-dimethylhydrazide.

14100-69

MUTAGENIC EFFECTS OF SEVERAL ALKYLATING SUBSTANCES IN RICE WITH REFERENCE TO THE METHOD OF TREATMENT. (JA)

H Yamagata

Gamma Field Symp 5:63-69

1966 442.9 H79

Alkylation, Plant abnormalities, Plant biochemistry, Plant genetics, Plant mutation, Rice, Therapeutics. Japanese summary

14101-69

RELATIVE RADIOSENSITIVITIES OF THREE DEVELOPMENTAL STAGES, I.E., FLORAL DEVELOPMENT, GAMETOGENESIS AND EMBRYOGENESIS UNDER CHRONIC GAMMA IRRADIATION. (JA)

K Yamakawa

Gamma Field Symp 5:91-122 REF

1966 442.9 H79

Chromosomes, Embryogenesis, Flowers, Gametogenesis, Gamma rays, Irradiation, Plant morphology, Plant physiology, Radiation, Tomatoes. Japanese summary

14102-69

EFFECT OF CELL POISONS ON THE COLLOID-CHEMICAL PROPERTIES OF THE CELL. (RUS)

O A Zauralov P F Zauralova

Fiziol Rast 15(1):152-159 REF

Jan 1968 450 F58

Cells, Dinitrophenols, Plant biochemistry, Plant colloids, Plant metabolism, Plant respiration, Poisons, Sodium fluoride, Toxicology. English summary

CHEMISTRY

14103-69

WORLD REVIEW OF PEST CONTROL SUPPLEMENT. GUIDE TO NEW COMPOUNDS.

Anonymous

World Rev Pest Contr 7(4,WINTER):5P

1968 79.8 W89

Bromo-3-chlorophenyl-N'-methoxy-N'-methylurea, N-(4-, Butyl-2-dimethylamino-4-hydroxy-6-methylpyrimidine, 5-, Chemicals, Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin-4,4-dioxide, 2, Dihydro-5-carboxanilido-6-methyl-1,4-oxathiin, 2,3-, Dimethyl 2-(methylthio)ethyl phosphorothioate, Pest control, World agricultural situation.

14104-69

SOLVENT PURIFICATION FOR RESIDUE ANALYSIS BY NON-DISTILLATION METHODS.

H Beckman W O Gauer

Residue Rev 18:1-19 REF

1967 389.9 R314

Chemical analysis, Residues, Solvents.

14105-69

SPECTRA AND ANALYSES OF INSECTICIDE SYNERGISTS AND RELATED COMPOUNDS CONTAINING THE METHYLENEDIOXYPHENYL GROUP BY SPECTROPHOTOFUOROMETRY (SPF) AND SPECTROPHOTOPHOSPHORIMETRY (SSP).

M C Bowman M Beroza

Residue Rev 17:1-22 REF

1967 389.9 R314

Chemical analysis, Chromatography, Insecticide synergists, Methyleneedioxyphenyls, Spectrophotofluorometry.

14106-69

CARBAMIC ACID (FLUOROACETOAMIDOTRICHOLORO)ETHYL ESTERS. PATENT 3,442,932.

C Fest G Hermann

Us Patent Office Offic Gaz 862(1):243

06 May 1969 156.65 OF2

Carbamic acid, Esters, Patents, Rodenticides.

14107-69

GAMMA FIELD SYMPOSIA. NUMBER 5. MUTATIONS INDUCED BY RI AND CHEMICALS. JULY 27-28, 1966. OHMIYA-MACHI, IBARAKIKEN, JAPAN.

Gamma Field Symp 122 P. OHMIYA-MACHI, IBARAKI-KEN, JAPAN
1966 442.9 H79

Breeding, Chemicals, Gamma rays, Mutation, Radioactivity, Radioisotopes.

14108-69

SECONDARY MECHANISMS OF ANTIFUNGAL ACTION OF SUBSTITUTED 8-QUINOLINOLS. I. 5- AND 5,7-SUBSTITUTED 8-METHOXYQUINOLINES.

H Gershon R Parmegiani

Boyce Thompson Inst Contrib 24(2):33-36 REF
Jan 1968 451 B69

Biochemistry, Chelation, Fungicides, Quinoline compounds, Quinolinol compounds, 8-.

14109-69

ALKENYL AND ALKYNYL BIPHENYLYL SULFIDES. PATENT 3,442,955.

P E Newallis P Lombardo

Us Patent Office Offic Gaz 862(1):246
06 May 1969 156.65 OF2

Alkenyl biphenyl sulfides, Alkynyl biphenyl sulfides, Insecticides, Patents.

14110-69

FLUORODENSITOMETRIC MEASUREMENTS OF AFLATOXINS ON TLC PLATES.

W A Pons

Ass Offic Anal Chem J 51(4):913-914
Jul 1968 381 AS1

Aflatoxin, Chromatography, Cotton, Density, Extracts, Fluorometry, Laboratories.

14111-69

CHROMOGENIC SPRAY REAGENTS FOR THE ORGANOPHOSPHATE PESTICIDES.

R R Watts

Residue Rev 18:105-129 REF

1967 389.9 R314

Chemical analysis, Chromatography, Organophosphorus compounds.

14112-69

ADVANCES IN GAS CHROMATOGRAPHIC DETECTORS ILLUSTRATED FROM APPLICATIONS TO PESTICIDE RESIDUE EVALUATIONS.

W E Westlake F A Gunther

Residue Rev 18:175-217 REF

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14113-69

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